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ABSTRACT

This compilation of "Trace Quick Sheets" provides descriptions, prices, and ordering information for products and services that assist with communication, control, and computer access for disabled individuals. Product descriptions or product sources are included for: adaptive toys and toy modifications; head pointers, light pointers, and mouthsticks; keyboard modification programs; keyguards; electronic communication aids; telecommunication devices for the deaf; switches and controls; optical character recognition scanners; portable battery-operated printers; portable typewriters; software resources; speech input systems; speech output computer programs for communication; and speech synthesizers. A general directory of books, pamphlets, catalogs, journals, newsletters, companies, and organizations is provided in the Quick Sheet titled "Additional Resources." Other Quick Sheets focus on: associations/advocacy groups/self-help groups, computer access for the blind and visually impaired, computer assessment/training programs, selected information resources for the deaf, networks/bulletin boards/databases, newsletters and journals, training programs in technology in special education, and a selected bibliography of videotapes on augmentative communication and computer access for the handicapped. (JDD)

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QUICK INFORMATION SHEETS

1986

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Trace Research and Development Center on Communication, Control, and Computer Access for Handicapped Individuals University of Wisconsin-Madison

Waisman Center/1500 Highland Avenue Madison, Wisconsin 53705-2280 (608)262-6966 TDD: (608)263-5408

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Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
September, 1986

Adaptive Toys and Toy Modifications

The following pages contain information regarding adapted toys and toy modifications to allow single switch control. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

Switching Mechanisms for Special Needs – A Project Manual
William M. Lynn
$6.50
National Clearinghouse of Rehabilitation Materials
115 Old USDA Building
Oklahoma State University
Stillwater, OK 74078
405/624-7650
This project manual first explains how switches work by presenting basic electronics principles, and then provides step-by-step instructions for building several types of switches and accessories.

Play: Children's Business, A Guide to Play Materials
1974
Association for Childhood Education International
Washington, D.C.: Association for Childhood Education

Toys and Games for Educationally Handicapped Children
1969
Buist, Charlotte & Schulman, Jayne
Springfield, IL: Thomas Publishing

Homemade Battery Powered Toys and Educational Devices for Severely Handicapped Children
1980
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740

More Homemade Battery Devices for Severely Handicapped Children with Suggested Activities
1982
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740

Homemade Switches and Toy Adaptations for Early Training with Nonspeaking Persons
1984
William B. Coker, Jr.
Cincinnati Center for Developmental Disabilities
3300 Elland Avenue
Cincinnati, OH 45229
LSHSS 15, 1, pp.32-35. (Reprints)

Technology for Independent Living Sourcebook
Alexandra Enders (ed.)
1984
RESNA
1101 Connecticut Avenue
Suite 700
Washington, DC 20036
202/857-1199
This book contains a comprehensive listing of associations, toy libraries in each state, and manufacturers and distributors of special toys.

Guidelines for Adapting Toys for the Physically Handicapped
Jayne Higgins
1982
California Avenue School
215 West California Avenue
Vista, CA

Adaptive Toys and Toy Modifications

Touch Toys and How to Make Them
1984
$3.00 + .60 for postage
Touch Toys
P.O. Box 2224
Rockville, MD 20852
This is an instruction book on how to make over 100 toys for the blind. Checks payable to: Touch Toy.

Toy Modification Note: Build-it-Yourself-Battery-Insert
G.C. Vanderheiden
1982
Trace Center
1500 Highland Avenue
S-151 Waisman Center
Madison, WI 53705
608/262-6966

Strategies for Helping Severely and Multiply Handicapped Citizens
Whethered, J. Greer, R. Anderson, and S. Odle (eds.)
1982
University Park Press
Baltimore, MD

From Toys to Computers: Access for the Physically Disabled Child
C. Wright and M. Nomura
1985
$17.00 (4th class), $20.00 (1st class) Plus $1.11 outside U.S.
Christine Wright
P.O. Box 700242
San Jose, CA 95170

Catalogs

Compu-Robot
$34.95
Comp Tech Systems Design
P.O. Box 516
Hastings, MN 55033
An audio-controlled robot. Easy-to-use, programmable, remembers up to 48 commands, 3 speed, right and left turn, u-turn, pause. Uses 4 AA-batteries.

Arroyo & Associates
88-45 79th Avenue
Glendale, NY 11385
718/849-9306

Automated Therapy Systems
Harding and Harris
P.O. Box 1599
Orem, UT 84057

Behavioraids
Social Technology Product
1210 Alameda Drive
Tempe, AZ 85282

"Special Populations Catalogue"
Flaghouse, Inc.
18 W. 18th Street
New York, NY 10011
212/989-9700

Kaye's Kids
1010 E. Pettigrew Street
Durham, NC 27701-4299
919/683-1051

"Active Simulation Program"
Dr. Edmond Zuromski
Handicapped Children's Technological Services. Inc.
P.O. Box 7
Foster, RI 02825
401/397-7666
"Active Simulation Program" offer a series of technical newsletters and an equipment development manual; markets his products commercially.

A Declaration of Independence
Adaptive Aids
P.O. Box 13178
Tucson, AZ 85732

Toys for Special Children
Steven Kanor, Ph.D
101 Lefurgy Avenue
Hastings on Hudson, NY 10706

Zygo Industries, Inc.
P.O. Box 1008
Portland, OR 97297-1008
503/297-1725

Handicapped Children's Technological Services, Inc.
P.O. Box 7
Foster, RI 02825

The Able Child
325 Will Street
New York, NY 10014

Adaptive Toys and Toy Modifications

Associations and Organizations

LEKOTEK
613 Dempster
Evanston, IL 60201
312/328-0001
A non-profit resource center with specialized play materials, therapy equipment, and books for loan.

ACTIVE
Play Matter/NTLA
Seabrook House
Darkes Lane
Potters Bar, Herts, ENGLAND EN6 2HL

USA Toy Library Association (USA-TLA)
Judith Iacuzzi, Exec. Director
1800 Pickwick Avenue
Glenview, IL 60025
312/724-7700
Toy library, information on adaptive toys, newsletter.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
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Additional Resources

This resource list provides information on books and pamphlets, companies and catalogs, organizations, journals, newsletters, and publications, etc., of interest to disabled persons and those working with them. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

HEATH Resource Center
(Health Education and the Handicapped Center)
National Clearinghouse on Post-Secondary Education for Handicapped Individuals
1 Dupont Circle NW
Washington, DC 20036
202/939-9320
800/54-HEATH
Disseminates information about educational support services, policies, procedures, adaptations, and opportunities for disabled students. Prepares and disseminates the HEATH Resource Directory and a newsletter three times a year.

Computer Technology for the Handicapped: Applications '85
Selected Proceedings of the 1985 Closing the Gap Conference
Grogan, Michael
1986
$19.95
Computer Technology for the Handicapped. The Proceedings of the 1984 Closing the Gap Conference
Grogan, M. and Hagen, D.
1985
$17.95
These proceedings of the CTG Conference presentations provide information on application of computers for disabled persons.

Special Education Applications for PowerPad
Dunamis, Inc.
2856 Buford Highway
Duluth, GA 30136
404/476-4934

Compilation of Clinical Software for Aphasic Rehabilitation and Cognitive Retraining.
Brubaker, Susan Howell, and Rolnick, Michael I.
1984
$69.95
This compilation provides descriptions of software programs and their characteristics for use in microcomputer-assisted aphasia rehabilitation and cognitive retraining.

Ten Keys
$198.00 (starter issue); $125.00 (renewal, supplements)
Aids Unlimited, Inc.
1101 North Calvert Street
Suite 405
Baltimore MD 21202
301/659-0232
Set of notebooks with tabs, separated into five sections including information on assistive devices, information on implementation of 504, court decisions, books, publications, services and funding. Starter issue (containing all previous supplements) and 11 monthly supplements, $198.00. Renewal, 12 supplements, $125.00 year.

Quick Guide to Resources in Special Education Technology
Bob Reid and Diane Herera Shepard
Sector Project
Utah State Office of Education
Special Education Section
Developmental Center for Handicapped Persons
Utah State University
Logan, UT

Additional Resources

Publications from NARIC
NARIC
4407 Eighth Street NE
The Catholic University of America
Washington, DC 20017
202/635-5826 (voice/TDD)
800/34-NARIC (voice/TDD) (information line)
Periodical List: A Guide to Disability-Related Journals and Newsletters; The Author's Handbook: A Guide to Professional Journals in Rehabilitation: Resource Directory: A State Guide to Disability-Related Information; Computer Access and Applications for Career Counseling with Vocational Rehabilitation Clients; Computers in Vocational Rehabilitation: Current Trends and Future Applications; Low Cost Approaches to Technology and Disability; Use of Computers in Expanding the Employment Opportunities for Persons with Disabilities

Guidelines for the Design of Computers and Information Processing Systems to Increase Their Access by Persons With Disabilities
Vanderheiden, G.C., and Lee., C.C. (coordinators)
1986
$7.40
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
These Giudelines are a result of industry/government/ researcher/consumer cooperative effort to study the designs of computers and develop recommendations for modifications to make them more accessible. The particular focus of these Guidelines is the ability for disabled persons to use standard computers and standard software. The Guidelines are continually revised based upon the work of the committee. Anyone may participate by securing a copy of the Guidelines, reviewing them, and sending in comments.

A Study of Communication Aid Research, Prescription, and Commercialization in the United Kingdom and the Netherlands.
Richard A. Foulds
$1.50
World Rehabilitation Fund, Inc.
400 East 34th Street
New York, NY 10016
Attn: Diane Wood, Project Director
Includes service delivery models, aid demonstration centers, available communication aids, and microcomputer-based communication.

Communication Interaction Between Aided and Natural Speakers: A State-of-the-Art Report
Arlene W. Kraat
$10.95
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
A compilation of published and unpublished research, clinical observations and perspectives of aid users. Sponsored by IPCAS: The International Project on Communication Aids for the Speech Impaired

Used Equipment Marketplace: A Strategy for Cutting Equipment Costs
$9.00
Metropolitan Center for Independent Living
1821 University
Suite N350
St. Paul, MN 55104
612/646-8342 (voice)
612/646-6048 (TDD)

Recognizing and Enhancing the Communication Skills of Your Group Home Clients
Beverly Vicker
1985
Development Training Center
Attn: DTC Library
2853 East Tenth Street
Bloomington, IN 47405
812/335-6508

Computer Technology and Persons with Disabilities Proceedings
1985
$12.95
Office of Disabled Student Services
California State University, Northridge
18111 Nordhoff Street
Northridge, CA 91330
Focuses on 27 of the presentations at the conference of the same name, held in October 1985.

Speech Systems for Your Microcomputer
Gary Shade
Wayne Green Publications Group
Route 101
Peterborough, NY 03458
Voice input and output systems for the handicapped; low cost to complex; evaluation criteria.

Additional Resources

Computers, Education, and Special Needs
E. Paul Goldenberg et al.
1984
$14.95
This book provides a practical introduction to the use of the computer as a tool for special needs education as it relates to communication, access and motivation. Case studies and a guide for implementation are included.

Technology for Independent Living Sourcebook
Alexandra Enders, OTR (Editor)
1984
$25.00
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington DC 20036
202/857-1199
This Sourcebook provides an exhaustive listing of resources for individuals with disabilities and the professionals working with them. It also contains helpful brief articles explaining major concepts, philosophies, and technical information of relevance to the areas covered.

A Guide to Controls: Selection, Mounting, Application
1982
$10.00
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington DC 20036
202/857-1199
The Guide to Controls was compiled to help users select and locate the most useful switches and controls for operating assistive devices.

Access to Computers for the Physically Handicapped
Publication ACPH-4 2/84
1984
No charge for single copy
Prentke Romich
1022 Heyl Road
Wooster OH 44691
216/262-1984
This product brochure attempts to promote a greater awareness of computer-related PRC products, which provide access to computers for disabled people.

Features of Commercially Available Communication Aids
A. Kraat and M. Silver
Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
216/262-1984
This chart visually displays functions of most of the major commercially available aids; many are useful for computer access. Non-PRC aids are included.

Personal Computers and the Disabled--A Resource Guide
No charge for a single copy
Apple Computer
20525 Mariani Avenue
Cupertino CA 95014
408/996-1010
Telex 171-576

Guide to Learning: Resources for Users of IBM Personal Computers
1984
Available from IBM, 1984.

I'm Handicapped! How Can I Use Computers?
The Handicapped's Source
J.A. Preston Corporation
60 Page Road
Clifton NJ 07012
201/777-2700
This pamphlet gives an introduction to the basic parts of a computer and how it can be used by disabled individuals.

Personal Computers and Special Needs
Frank G. Bowe
1984
Sybex, Inc.
2344 6th Street
Berkeley CA 94710
800/227-2346
This book shows how computers can be used by individuals with different disabilities, in part by sharing the stories of people who are using computers now.

Personal Computers and the Disabled
Peter A. McWilliams
1984
Quantum Press
Doubleday and Company, Inc.
Garden City NY
This book gives an introduction and overview of the computer and its potential applications for disabled individuals. Includes comprehensive resource listings of associations, federal government agencies, state agencies, etc.

Handbook of Microcomputers in Special Education
Michael M. Berhmann
1984
College Hill Press
4284 41st Street
San Diego CA 92105
This book provides an overview of computer applications in special education in a way that generates enthusiasm and decreases the fear of using computers.

Additional Resources

Handbook of Microcomputer Applications in Communication Disorders
Arthur H. Schwartz
College-Hill Press
4284 41st Street
San Diego CA 92105
This book focuses on the understanding and application of the computer by agencies, clinics, and clinicians. Included are evaluation measures for hardware and software, steps in implementation, and possible funding strategies.

Microcomputer Resource Book for Special Education
Dolores Hagen
1984
Prentice-Hall, Inc.
200 Old Tappan Road
Old Tappan JH 07675
800/336-0338
This book gives an overview of current applications for individuals with disabilities.

IBM Special Education Resources Guide to Adaptive Devices, Software, and Services for Special Education, Vocational Rehabilitation and Employers
National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta GA 30055
404/238-3206
A listing of resources related to microcomputer use by persons with disabilities.

Computer Technology for the Handicapped in Special Education and Rehabilitation: Resource Guide I and II
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene OR 97403

Software Selection, Evaluation and Organization
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Learning Disabled Students and Computers: A Teacher's Guidebook
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Interactive Video in Special and General Ed: A Development Manual
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Indiana Assistive Device Resource Directory
Instructional Materials Center
Indiana Department of Education
Box 100, Butler University
Indianapolis IN 46208
317/927-0219
Directory to help Indiana service providers match those needing assistance to people and product sources. Resource/contact persons for non-vocal communication in Indiana and a listing of the equipment they have are included.

Tell 'em Ware
$10.00 (ASCII text files on Apple DOS 3.3 disk)
1714 Olson Way
Marshalltown IA 50158
Over 200 addresses of sources useful in application of Apple computers with special education students; e.g, suppliers of Apple compatible parts and accessories, suppliers of software for the handicapped, organizations and individuals with further information, collections of public domain educational software.

Computer Use in Cognitive Retraining
1984
$1.25
National Head Injury Foundation
P.O. Box 567
Framington MA 01701
617/879-7473
Includes an overview and considerations for determining appropriate use of computer technology in cognitive retraining; a bibliography with information on software, computer adaptations, articles, resources.

Microcomputer Applications for Speech-Language Services in Schools
Jana Sanders, M.A.

Careers, Computers, and the Handicapped
Michael Bender, Nancy Pin-Milburn, Lee Richmond
Pro-Ed

Additional Resources

Everybody's Technology: A Sharing of Ideas in Augmentative Communication
Charles Goris-Monis
Charlescoms Env.
P.O. Box 419
Jean Talan Station
Montreal, Quebec H1S 2Z3

Programming Equity into Computer Education
$9.95
Project on Equal Education Rights
1413 K Street
Washington, DC 20005
A kit to evaluate the accessibility of computer resources to disabled students, girls, minorities and low-income students.

Proceedings of the National Conference on Microcomputers in Special Education
Hartford, Connecticut March 1983
CEC 5512
1920 Association Drive
Reston, VA 22901

Microcomputers in Special Education: An Introduction to Instructional Applications
Budoff, Milton Thormann
1985
$19.95
This book introduces special education teachers and administrators to microcomputers and how they can be used in special education settings.

Computer Technology for the Handicapped in Special Education and Rehabilitation
ICCE - International Council for Computers in Education
University of Oregon
1787 Agate Street
Eugene, OR 97403

Companies and Catalogs

SPEECH Enterprises
Sherry Lowry, President
P.O. Box 7986
Houston, TX 77270
713/461-1666
Information on large print and speech output.

Organizations

Education Turnkey Institute
256 N. Washington Street
Falls Church, VA 22046
703/536-2310
Provides information services and training on technology use in special education. Also conducts surveys of state and local education associations for publishers and developers.

Computer Users in Speech and Hearing (CUSH)
School of Speech and Hearing Sciences
Ohio University
Athens, OH 45701
614/594-6168
CUSH is an organization of speech pathologists and audiologists involved in the application of computer technology in the communication sciences. Information is exchanged through journals and a software lending library.

SEDL/Regional Rehabilitation Exchange
211 E. 7th Street
Austin, TX 78701
512/476-6861
This project identifies exemplary practices and programs. The core area is "High Technology Applications in the Vocational Rehabilitation Process." Technical assistance in this area is provided.

Fairfax County Public Schools
10310 Layton Hall Drive
Fairfax, VA 22030
703/691-2186
Resource center for technology for handicapped students in public schools. Have explored computer applications in the following areas: computer literacy, CAI, communication assistance and vocational training.

East Range Developmental Achievement
800 A Avenue
Eveleth, MN 55734
218/744-5130
An exchange network for information on the use of microcomputers by persons with developmental disabilities.

Data Referral Network
Mobility Special Services, Inc.
190 Sumner Street
Boston, MA 02062
617/891-8858
Data Referral Network provides "one-stop shopping" for disabled individuals. (New York residents must call: 800/962-1480, ext. 333)

Additional Resources

Governor's Advocacy Council for Persons with Disabilities
1318 Dale Street
Suite 100
Raleigh, NC 27605
919/733-9250
This organization is a resource center for disabled persons in North Carolina.

Massachusetts Rehabilitation Commission Library
Room 331
20 Park Plaza
Boston, MA 02116
617/727-1140 (voice and TDD)
This library is dedicated exclusively to literature about disabled people. Information about computers and adaptive devices is available free of charge to handicapped people.

First Dibs
Disability Information Brokerage System
P.O. Box 1285
Tucson, AZ 85702-12
602/791-4393
A resource sharing network that provides a wide range of resources including information on new technological developments regarding computers as well as augmentative communication and rehabilitation devices.

Easter Seal Children's Center
3161 Maple Drive, NE
Atlanta, GA 30305
404/261-6262
Offers advice and training for computer use with pre-school handicapped children. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

Blissymbolics Communication Institute
350 Rumsey Road
Toronto, Ontario, Canada M4G 1R8
416/424-3805
Support and educational group involved in the design of computer programs using Blissymbols. Resource center for the use of Blissymbols. Distribute programs using Blissymbols for augmentative communication.

Bureau of Education for Exceptional Students
Florida Bureau of Education for Exceptional Students
Knott Building
Tallahassee, FL 32301
904/488-4245
State Education Agency providing hands-on training for microcomputer use to teachers and students. Acts as a resource center for anyone wanting information regarding technology and students with disabilities.

Access/Abilities
P.O. Box 458
Mill Valley, CA 94942
415/388-3250
Access/Abilities maintains a data base of resources for physically impaired individuals. The data base contains information on services, aids, and adaptive devices. The data is not yet electronically accessible.

Connecticut Special Education Resource Center
Hartford Graduate Center
275 Windsor Street
Hartford, CA 06120
203/246-8514
Offers inservice training on microcomputer use in special education. Acts as a resource center for computer software, professional books, tests, and instructional materials. Runs an annual summer conference.

ABLENET
Cerebral Palsy Center
Griggs-Midway Building
1821 University Avenue
St. Paul, MN 55104
612/331-5958
ABLENET provides information on technological devices and support services for children and adults with severe or profound disabilities.

National Organization on Disability (NOD)
2100 Pennsylvania Avenue NW
Suite 234
Washington, DC 20037
202/293-5968
202/293-5968 (TDD)
NOD offers information and referral services to all handicapped individuals. The organization is community-based and supports a national network of disabled people working together for change.

NIRE (National Institute for Rehabilitation Engineering)
97 Decker Road
Butler, NJ 07405
201/838-2500
This organization is an information and referral center for disabled persons seeking rehabilitation with the help of technology.

Additional Resources

Job Accommodation Network (JAN)
Box 468
Morgantown, WV 26505
800/526-7234
A service of the President's Committee on Employment of the Handicapped, operated by NIHR (National Institute of Handicapped Research) and RSA (Rehabilitation Services Administration). Provides a free information system for employers regarding job modifications and accommodations. Includes equipment modifications, site modifications, and redesign of job functions to suit functional limitations.

FDLRS/EAST
Eileen Pracek, Director
1450 Martin Blvd.
Merritt Island, FL 32952
305/631-1921

SECTOR Project
Kim Allard, Director
UMC 68
Utah State University
Logan, UT 84322
801/753-7973

Center for Multisensory Learning
Linda De Lucchi
Lawrence Hall of Science
University of California
Berkeley, CA 94720
415/642-8941

ERIC Clearinghouse on Handicapped and Gifted Children
The Council for Exceptional Children (CEC)
1920 Association Drive
Reston, VA 22091
703/620-3660
Disabled or gifted children; produces one database, ECER (research and related literature), and offers searches of the ERIC database; publishes fact sheets and brief bibliographies on topics of current interest; responds to information requests.

National Center for Health Statistics
3700 East-West Highway
Hyattsville, MD 20782
301/436-8500

Association for Retarded Citizens (ARC) of the US
Bioengineering Program
P.O. Box 6109
2501 Avenue J
Arlington, TX 76006
817/640-0204
Technology for mentally retarded persons. Adapts currently available assistive devices for use by retarded persons; develops new assistive devices when needed; consolidates information on the use of technical aids into technology resource library.

Computer Options
85 Market Street
Poughkeepsie, NY 12601
914/471-2765
Workshops, service and consultation to schools, facilities and individuals interested in using computers with handicapped children. Quarterly newsletter (free) with new products, unique applications, and more. Also has Educational Software Catalog (free) – 500 titles by subject area.

National Clearinghouse of Rehabilitation Training Materials (NCRTM)
Oklahoma State University
115 Old USDA Building
Stillwater, OK 74078
Provides information on rehabilitation with primary emphasis on training materials for use by educators or disabled persons or counselors. Publishes the NCHRTM Memo (quarterly) to help disseminate information.

Stout Vocational Rehabilitation Institute
Materials Development Center (MDC)
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1342
Vocational evaluation and work adjustment; collects, develops, and disseminates information and materials on vocational evaluation and work adjustment, including the use of technology.

National Information Center on Deafness
Gallaudet College
800 Florida Avenue NE
Washington, DC 20002
202/651-5109 (voice/TDD)
Deafness and hearing loss: centralized source of information on deafness; responds to inquiries from parents, professionals, and deaf individuals; disseminates fact sheets, resource listings, and other materials.

Additional Resources

Tech-Tapes
Susan Elting
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
8000/345-TECH
Series of taped messages on special education technology. Tapes are available 6 PM to 1 PM Monday-Friday. Staff will answer and handle requests from 1 PM to 6 PM.

NEISS
New England Institute of Sensory Science
71 Pleasant Street
Worcester, MA 01609
617/791-4303
Information center on technology for people with hearing, visual, balance and touch disabilities. Also provides information on organizations and special services for people with sensory disabilities.

Mill Neck Foundation, Inc.
P.O. Box 100
Mill Neck, NY 11765
Telecommunication van designed as a mobile learning lab and demonstration unit for TDDs. Travels in an interstate area in the northeastern region.

Kinsmen Rehabilitation Foundation of British Columbia
2256 West 12th Avenue
Vancouver, British Columbia V6K 2N5
Information center on resources for persons with disabilities. KRIS database, soon to be available, will include information on technology, organizations and other resources.

HELPLINE
Pracon, Inc.
10390 Democracy Lane
Fairfax, VA 22030
Prepares lists of assistive devices. Checklists distributed primarily to physicians' offices to be given to patients as needed. Lists are sent in response to the checklists received, with occasional further searches for special products. Free of charge, funded by Merck, Sharp, & Dohme.

C-CAD (Center for Computer Assistance to the Disabled)
2501 Avenue J
Suite 100
Arlington, TX 76011
817/640-6613
Generates the donation of computers, peripherals, and software from commercial organizations for placement (donation or on loan) to disabled clients. Maintains computer database of resources of information. Consults and responds to requests for information about special adaptations or modifications to computers for use by the disabled.

AIDLINE
Associated Enterprise Development, Inc.
120 Admiral Cochrane Drive
Annapolis, MD 21401
301/841-6920
Taped messages about technology for people with disability. Suspended, but group is looking for funding to continue project.

The Technical Resource Center
1820 Richmond Road SW
Calgary, Alberta, Canada T2T 5C7
403/229-7875
Does assessments and provides technical aids to help disabled persons better realize educational, vocational, social and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

Personal Computer Opportunities for the Handicapped
P.O. Box 374
Spicer, MN 56288
612/796-5765
This organization is dedicated to helping disabled individuals acquire job skills and jobs with personal computers.

National Technology Center
American Foundation for the Blind, Inc.
15 West 16th Street
New York, NY 10011
212/620-2000
The Center has three components: National Technology Data Base; Evaluations; Research and Development. Provides a resource for blind and visually impaired persons and professionals who work with them.

NTID (National Technical Institute for the Deaf)
1 Lomb Memorial Drive
Rochester, NY 14623
716/475-6400
This organization of the U.S. Department of Education is a resource center for technical education for deaf and hearing impaired people.

Western Center for Microcomputers in Special Education
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997
Publishes The Catalyst (quarterly). Provides information on computer peripherals for use by handicapped individuals.

Additional Resources

Office of Special Education
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
408/996-1010
Through this office, Apple works with key education, rehabilitation and advocacy organizations nationwide to identify the computer-related needs of disabled individuals and to assist in the development of responsive programs.

Closing The Gap, Inc.
P.O. Box 68
Henderson, MN 56044
612/248-3294
National and regional conferences, workshops and training. Also operates a bookstore and publishes a newspaper dedicated to the latest in technology for disabled people.

DADA (Designing Aids for Disabled Adults)
1024 Dupont Street
Unit 5
Toronto, Ontario, Canada M6H 2A2
416/633-4494
Helps to train disabled adults and health care professionals in the use of new and existing technology, researches and develops low-cost technical aids, runs workshops.

P.H.I.R.S.T. LINK
(Physically Handicapped Information Resource Service on Technology)
Kitchener-Waterloo Services for the Physically Disabled
75 King Street South
Suite 606
Waterloo, Ontario, Canada N2J 1P2
519/885-6640
Provides physically disabled individuals with opportunities for hands-on computer experience and up-to-date information on computers and technical aids or devices.

Trace Research and Development Center on Communication, Control, and Computer Access
Reprint Department
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
Free listing of research reports and reference materials published by the center.

Arkansas Rehabilitation Research and Training Center in Vocal Rehabilitation
Publications Department
P.O. Box 1358
Hot Springs, AR 71902
Free description of research reports, reference materials, and training programs published by the Center.

TASH (The Association for the Severely Handicapped)
1600 West Armory Way
Seattle, WA 98119
206/283-5055

NASDSE (National Association of State Directors of Special Education)
2021 K Street NW
Suite 315
Washington, DC 20006
202/296-1800

Special Education Software Center
Building B, Room S312
333 Ravenswood Avenue
Menlo Park CA 94025
800/327-5892 (software information)
800/223-2711 (technical assistance)
800/435-7639 (TTY)
Sponsored by the U.S. Department of Education, Special Education Programs, Division of Educational Services

LINC Resources, Inc.
3857 N. High Street
Columbus, OH 43214
614/263-5462
A market linkage special education project, LINK receives Office of Special Education Program products, evaluates them for commercial and not-for-profit distribution potential, and assists developers in marketing. Examples: "We Are One," a video to increase sensitivity between physically handicapped and nonhandicapped persons; "Education, Career Development and the Physically Disabled;" "It Takes All Parts," a manual of activities for severely disabled and sensory impaired preschoolers; "Optacon Instruction Manual For Children;" "Yes, You Can! The Severely Communicatively Impaired Child in the Classroom," including 14 videotapes and manual.

Educational Resources Information Center (ERIC)
National Institute of Education
5500 New Jersey Avenue, NW
Washington, DC 20001
202/254-5500 (management)
Education; collects and disseminates educational documents to teachers, administrators, researchers, students and other interested persons. Consists of 16 clearinghouses located across the country, each specializing in a particular subject area related to education.

Additional Resources

NARIC – National Rehabilitation Information Center
4407 Eight Street, NE
The Catholic University of America
Washington DC 20017
202/635-5826
202/635-5884 (TDD)
800/34-NARIC
NARIC is a rehabilitation information service research library funded by the National Institute of Handicapped Research, U.S. Department of Education, to provide access to NIHR and RSA (Rehabilitation Services Administration) funded reports and information on assistive devices, and to disseminate other rehabilitation related information resources. NARIC has these resources: REHAB DATA is a computerized listing of over 10,000 NIHR and RSA materials, selected reports of journal articles, audiovisual materials, and commercial publications. REHAB DATA's phone is 202/635-5822. ABLEDATA is a computerized listing of over 10,000 commercially available aids for rehabilitation and independent living, from simple to sophisticated (e.g., personal care, seating, transportation, home management, etc.). To retrieve information, contact an information broker, or ABLEDATA at 202/635-6090. Custom database searches are a minimum of $10.00 for the first set of up to 100 citations, then $5.00 for each additional set of 100. Both are also available for direct public access through BRS (Bibliographic Retrieval Services). For more information, contact BRS, Route 1, Latham, NY 12110, phone 800/833-4707 (in New York, 518/783-1161).

D:ATA Institute
4407 Eighth Street NE
The Catholic University of America
Washington, DC 20017
202/635-5826
D:ATA has an organizational relationship with NARIC. It was formed to foster broad-based research, educational programs, and other services related to the application of technology in rehabilitation and special education. D:ATA publishes documents and produces a quarterly newsletter, "Current D:ATA." Rehabilitation Research Reviews ($9.00 each) are a cooperative effort of NARIC and NCRE (National Council on Rehabilitation Education) and summarize research literature on key topics in rehabilitation (e.g., Computers and Vocational Education: Current Trends and Future Applications; Computer Access and Applications for Career Counseling; etc.

Project Threshold
Rancho Los Amigos Hospital
7601 East Imperial Highway
500 HUT
Downey CA 90242
213/922-8116

PSI-TECH Program
Concepts for Independent Living
Operations Center
2203 Airport Way South
Suite 310
Seattle WA 98134
206/343-0670
A part of the National Initiative on Technology and the Disabled, a program in which the Reagan administration invited aerospace companies to apply the space program technological know-how to the needs of the disabled. Operates Tech-Net (see Networks.)

Assistive Device Information Network
Division of Developmental Disabilities
University Hospital School
Iowa City IA 52242
319-5564

Indiana Department of Education
Instructional Materials Center/Handicapped
Box 100
Butler University
Indianapolis IN 46208
317/927-0392
317/927-0219

Missouri LINC
Assistive Devices Service
609 Maryland
Columbia MO 65211
800/392-0533
314/882-2733 (in Missouri)
Provides information, technical assistance, inservice, and materials pertaining to vocational education for individuals experiencing handicaps. The Assistive Device Service provides information on adaptive equipment (computer access, switching devices, communication aids, low-cost adaptations) for persons with handicaps in Missouri.

PAM – Physically Impaired Association
Assistance Center
601 W. Maple
Lansing MI 48906
800/426-7426
517/371-5897 (in Michigan)
Provides information and technical assistance to disabled individuals and service providers in the selection, development or adaptation of devices.

JWK International Corporation
Project EDUTECH, Log P
7616 Little River Turnpike
Annandale, VA 22003
804/750-0500

Additional Resources

Center for Special Education Technology
Council for Exceptional Children (CEC)
1920 Association Drive
Reston VA 22091
703/620-3660
800/345-TECH

Division for Disorders of Development and Learning
University of North Carolina at Chapel Hill
Biological Sciences Research Center 220 H
Chapel Hill NC 27514
919/966-5171 (clinic)

Exceptional Technology
9220 SW 52 Terrace
Miami FL 33165
305/274-3501

MECC
(Minnesota Educational Computing Consortium)
3490 Lexington Avenue North
St. Paul, MN 55112
612/638-0627

Project Learning Programs, Inc.
P.O. Box 2002
Chico CA 95927
916/893-4223

TAM
(Technology and Media for Exceptional Individuals)
Institute for the Study of Exceptional Children
Department of Special Education
University of Maryland
College Park MD 20742

DCCG Resource Center
(Disabled Children Computer Group)
Fairmont School
724 Kearney Street
El Cervito CA 94530
415/528-DCCG

Project M.U.S.E.
(Microcomputer Use in Special Education)
27 Horrabin Hall
Western Illinois University
Macomb IL 61455

National Information Center for Handicapped Children and Youth
P.O. Box 1492
Washington DC 20013
703/522-3332
Prepares News Digest, Transition Summary, and fact sheets. Responds to information requests and provides names of local resources.

Trace Research and Development Center on Communication, Control, and Computer Access for Handicapped Individuals
1500 Highland Avenue
S-151 Waisman Center
Madison WI 53705
608/262-6966
608/263-5408 (Information Resources)

CITH
(Center for Innovation in Teaching the Handicapped)
Indiana University
2805 East 10th Street
Room 150
Bloomington IL 47405
812/335-5847
A research and information center for new teaching materials in special education.

Sector Project
Special Education Communication Technology On-Line Resource
U.M.C. 68
Utah State University
Logan, UT 84322
801/753-7973
801/750-2087
A computerized listing of special education resources and reviews of Computer Assisted Instruction materials.

Compute Able Network
Kevin Mills, Dennis Kviz
P.O. Box 1706
Portland OR 97207
503/644-2940
Non-profit organization; provides information, training, problem-solving sessions, individual consultations, field testing, market research, conferences, vendor training.

Journals and Periodicals

An Update on Software in Cognitive Rehabilitation
William Lynch
May/June, 1986
Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
September, 1986

Associations/Advocacy Groups/Self-Help Groups

The groups and organizations listed below are concerned with the education, rehabilitation, and employment of severely disabled individuals. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

American Academy for Cerebral Palsy and Developmental Medicine
2315 Westwood Avenue
P.O. Box 11083
Richmond, VA 23230
804/355-0147
Professional organization concentrating on the latest developments in the treatment of cerebral palsy.

Association for the Development of Computer-Based Education and Training
Washington University
Miller Hall 409
Bellingham, WA 98225
206/676-2860
Association for professionals involved in computer-based education and training. Membership benefits include annual conference, newsletter, quarterly journal and local chapters.

American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626
AOTA is a nationwide organization of professionals concerned with all aspects of the occupational therapy field. The organization publishes the American Journal of Occupational Therapy.

ASHA (American Speech-Language-Hearing Association)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
ASHA is involved in a number of different applications of computer technology, including administration, clinic, therapeutic, educational, and research.

Association of Electronic Cottagers
677 Canyon Crest Drive
Sierra Madre, CA 91024
Organization designed to support people who work in their homes with personal computers. Members can obtain marketing assistance and business consultation. Information can be obtained through CompuServe.

Association of Computer Educators, Inc.
751 Band Avenue
Staten Island NY 10310
718/596-5708
New York state area. Facilitates information sharing, promotes equitable use of computers by all students.

BMUG
$40/year; includes bi-annual newsletter, help-line
1442 A Walnut Street #62
Berkeley CA 94709
Macintosh Users Group; one of the Group's SIGs is concerned with educational applications.

Boston Computer Society
1 Central Plaza
Boston MA 02108
617/367-8080

California Governor's Committee for Employment of the Handicapped
800 Capitol Mall
Sacramento CA 95814
916/323-2545

Center for Computer Assistance to the Disabled (C-CAD)
P.O. Box 314
Hurst TX 76053
817/273-2084

Associations/Advocacy Groups/Self-Help Groups

Committee on Personal Computers and the Handicapped (COPH-2)
2030 W. Irving Park Road
Chicago IL 60618
312/728-9879
312/477-1813
Information and technical consultation.

Community Health Information Project (CHIP)
222C View Street
Mountain View CA 94041
415/968-8798

CompuNet
Robert Mauro
Disability News OnLine
257 Center Lane
Levittown, NY 11756
Support network for employed, disabled men and women who use computers to earn a living.

Connecticut Parent Advocacy Center
Mohegan Community College
Norwich, CT 06360
203/886-5250
This organization acts as a referral agency for people needing information about services for handicapped people.

Coordinating Council for Handicapped Children
220 South State Street
Room 412
Chicago, IL 60604
312/939-3513
Provides training programs on special education rights and services for parents and professionals.

Council for Exceptional Children
1920 Association Drive
Reston, VA 22091-1589
703/620-3660
The major national association of special education teachers, administrators, and university students training to be teachers. Publishes Exceptional Children and Teaching Exceptional Children.

Council on Assistive Devices and Listening Systems
P.O. Box 32227
Washington, DC 20007
The primary goal of this organization of manufacturers and distributors is to alert the general public to ways in which electronic devices and systems can help hearing impaired persons cope more effectively with their disability.

Disabled Interest Group of the San Diego Computer Society (DIGSIG)
Milton Blackstone
1301 Dell Crest Lane
La Jolla CA 92037
619/459-8255

Easter Seal Systems
2023 W. Ogden
Chicago, IL 60612
312/243-8400
This organization sponsors grants for software development for disabled persons, and is developing regional adaptive device centers. Provides education, training, and discounts on selected computer systems.

Federation for Children with Special Needs
312 Stuart Street
Second Floor
Boston, MA 02116
617/482-2915
Coalition of parent organizations offering technical assistance and resource information on children with various disabilities.

FIGHT (Family Interest Group - Head Trauma), Inc. Library
1370 Wellesley Avenue
St. Paul, MN 55105
612/478-6477
Offers advice, information, and materials (for a returnable deposit) on head trauma, rehabilitation, medical care, and adaptive lifestyles.

Georgia Computer Programmer Group
2201 Glenwood Avenue SE
Atlanta, GA 30316
404/894-3972
404/874-8371

Iowa Computer-Assisted Rehabilitation Group (ICARG)
Mr. Jim Borchard
Northgate Manor
Waukon IA 52172

ISAAC (International Society for Augmentative and Alternative Communication)
P. O. Box 1762
Station R
Toronto, Ontario M4G 4A3
416/424-3806
An information and referral organization for individuals concerned with and/or working with communication disorders. Publishes Communication Outlook and Augmentative and Alternative Communication.

Associations/Advocacy Groups/Self-Help Groups

LIFT, Inc.
350 Pfingsten
Suite 303
North Brook IL 60062
312/564-9004
Not-for-profit contract programming company that identifies, trains, and hires physically handicapped individuals for major corporations.

Muscular Dystrophy Association
810 7th Avenue
New York, NY 10019
212/586-0808
Local chapters, clinics, referral services. Bimonthly newsletter, quarterly publication.

Music Therapy Association
25 Gelston Avenue
Brooklyn, NY 11209
718/745-9231
Provides services for disabled people interested in computer-generated music systems. Services include consulting and system set-up.

NAHSA (National Association of Hearing and Speech Action)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
A consumer advocacy group for speech and hearing impaired persons and for deaf persons.

National Down Syndrome Congress
1800 Dempster
Park Ridge, IL 60068
312/823-7550
An organization of parents and professionals that provides information on services for persons with Down Syndrome.

National Head Injury Foundation, Inc.
P.O. Box 567
Framingham MA 01701
617/879-7473

National Parent Chain, Inc.
867C High Street
Worthington, OH 43805
614/431-1911
This organization operates a SpecialNet Bulletin Board dedicated to information about special education.

National PC Vis. Users Group
1504 E. 71st Place, #1308
Tulsa OK 74136
918/492-0511
Or 130 Hosmer Drive, Syracuse NY 13209, phone 315/635-9209

National Spinal Cord Injury Association
149 California Street
Newton, MA 02158
617/964-0521
Provides information or referrals for the direct care of para- or quadriplegic persons. Publishes a variety of materials for rehabilitation professionals and persons with spinal cord injuries.

NSAC (National Society for Children and Adults with Autism)
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
202/783-0125
NSAC is a national service and advocacy organization for people with autism. Special services are offered on a local level as well as public policy advocacy and information and referral services being offered on a national scale. This organization provides information relating to computers and autistic children.

Ohio Coalition for the Education of the Handicapped
933 High Street
Suite 200-H
Worthington, OH 43085
614/431-1307
Currently developing a statewide database of agencies serving handicapped children.

PACER
4826 Chicago Avenue South
Minneapolis, MN 55417
612/827-2966
PACER provides information, training and assistance to parents of handicapped children. Advice is offered in the areas of appropriate education and interpretation of legal rights.

Quadriplegics Communications Group, Inc.
407-333 Stradbrook
Winnipeg Manitoba R3L 0J5

SIGSPED
International Council for Computers in Education
1787 Agate Street
Eugene OR 97403-1923
503/686-4414
Special interest group for computers in special education.

Special Interest Group for Computers and Physically Handicapped (SIGCAPH)
c/o Association for Computing Machinery
11 West 42nd Street
New York NY 10036
Karen Anderson, Director; Rochester, NY, 716/427-1834

Associations/Advocacy Groups/Self-Help Groups

TASH (The Association for Persons with Severe Handicaps)
7010 Roosevelt Way NE
Seattle, WA 98115
206/523-8446
Offers information on severe-profound handicaps (particularly severe retardation). Maintains an extensive bookstore of books and papers regarding persons with severe handicaps. Produces assistive devices.

The ALS Association
Box 5951
Sherman Oaks, CA 91403
818/990-2151
This national organization acts as a referral service for computers and computer assisted communication devices to ALS patients. Most such patients depend on computers to enable them to communicate with others.

The Disabled Children's Computer Group
Fairmont School
724 Kearny Street
El Cerrito, CA 94530
415/528-DCCG

VIEWPOINT
c/o Physically Handicapped Training Center
University of Pennsylvania
Philadelphia PA 19104
215/898-8108

Washington Apple Pi
8227 Woodmont Avenue
Suite 201
Bethesda, MD 20814
301/654-8060
Organization of Apple computer users who meet and discuss all aspects of Apple computers. Many of the topics are applicable to disabled individuals. The organization publishes Washington Apple Pi Journal.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
September, 1986

Information Resources on Access to Computers for Blind and Visually Impaired

This list contains useful sources of information (books and publications, newsletters/periodicals, organizations and companies) for blind and visually impaired computer users. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Publications

Touch Toys and How to Make Them
1984
$3.00 + .60 for postage
Touch Toys
P.O. Box 2224
Rockville, MD 20852
This is an instruction book on how to make over 100 toys for the blind. Checks payable to: Touch Toy.

Computer Equipment and Aids for the Blind and Visually Impaired
Computer Center for the Visually Impaired
Baruch College
17 Lexington Avenue
Box 515
New York, NY 10010
The result of eight years' experience educating blind and visually impaired students in computer technology, the book lists hardware, software, peripherals, researchers, training, and demonstration centers, products in development, and a checklist of technical considerations and advice on how to select equipment appropriate to specific needs.

The Future of Work for Disabled People: Employment and the New Technology
$10.00 print or cassette
Publications and Information Services
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
A compilation of papers presented at the May, 1985 symposium of the same name, cosponsored by AFB and the President's Committee on Employment of the Handicapped.

The Ultimate Guide
$16.95 braille and cassette, $19.95 print
National Braille Press
88 S. Stephen Street
Boston, MA 02115
Assists in selecting peripherals for blind computer users: modems, braille printers, inkprint printers, speech synthesizers, paperless braille devices, odds and ends.

The Resource Manual, 2nd Edition
Project CABLE
(Computer Access for the Blind in Education and Employment
$25.00
The Carroll Center for the Blind
Project CABLE
770 Centre Street
Newton, MA 02159
This manual includes curriculum, evaluation forms, lesson plans and resources to assist in setting up or running a program. Other topics covered include funding and staffing.

An Evaluation of IBM PC Access Systems for the Blind and Visually Impaired
C-TEC
IBM PC Access Evaluation
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/493-5000
415-229-0430

Information Resources on Access to Computers for Blind and Visually Impaired

The First and Second Beginner's Guides to Personal Computers for the Blind and Visually Impaired
The National Braille Press
88 South Stephen Street
Boston, MA 02115
617/266-6160
The basic concepts, and reviews of popular systems by blind users. The second Guide is a continuation, not a replacement of the first.

How Can We Compute?
Kathe Nolan
$14.95
VTEK
1625 Olympic Blvd.
Santa Monica, CA 90404
800/345-2256
(CA)800/521-5605
Canada, Alaska 213/452-5966
Cassette recordings of eight half-hour radio segments on the subject of computer access & adaptive devices for blind & visually impaired people. The series is directed toward the beginning, elementary-level computer user & will cover basic principles of computer use. Moderated by Jerry Kuns, program director of C-T C (Computer Training and Evaluation Center).

Newsletters and Other Periodicals

Dialogue
Dialogue Publications
3100 Oak Park Avenue
Berwyn, IL 60402
312/749-1908
This publication, available in Braille, large print, cassette, or recorded disk carries columns that highlight computer and access technology for blind and visually impaired persons.

BAUD
Audio-Tech Laboratories
1158 Stewart Avenue
Bethpage, NY 11714
516/433-0171
Bimonthly; This cassette newsletter contains information on associated access devices for microcomputers for blind users. A free classified section allows contributors to list their services and products for sale.

Visualtek Newsletter
Visualtek, Inc.
1610 26th Street
Santa Monica, CA 90404
213/829-6841

Journal of Visual Impairment and Blindness
Circulation Manager
JVIB
15 West 16th Street
New York, NY 10011
Monthly, Sept-June; Research reviews, applications, and articles on special topics.

The Communicator
Route 4, Box 26
Hicksville, VA 24343
703/766-3869
A bimonthly newsletter designed to provide information to teachers of the visually handicapped. Emphasis is on advances in technology and how they are being used. Includes teaching hints, software reviews, user comments, and suggestions. Available in large or regular print or on tape

Computer Assisted Learning for the Visually Handicapped
Research Center for the Education of the Visually Handicapped
Selly Wick House
59 Selly Wick Road
Birmingham ENGLAND B29 7JE
021-471-1303

Raised Dot Computing Newsletter
David Holladay/Caryn Navy
408 South Baldwin Street
Madison, WI 53703
608/257-9595 general
608/257-8833 technical
Monthly; explores microcomputer applications for the visually impaired.

Microcomputer News for Teachers of Blind Students
Catherine Mack
Florida School for the Bind
207 St. Augustine
St. Augustine, FL 32084
904/824-1654

Talking Book and Braille Book Review
Library of Congress
Washington, DC 20542
Contains descriptions of books newly printed in Braille and a list of Braille magazines. Talking Book Topics is published bimonthly and distributed free to blind and physically impaired individuals.

Information Resources on Access to Computers for Blind and Visually Impaired

Library of Congress
National Library Service for the Blind and Physically Handicapped
1291 Taylor Street
Washington, DC 20542
202/287-9281
Bimonthly. Free to the blind.

Aids and Appliances Review
Carroll Centre for the Blind
770 Centre Street
Newton, MA 02158
617/979-6200
Quarterly; a comprehensive review of aids for the blind. Issues 9 and 10 covered voice output computer aids; Issue 11 covered braille oriented computer aids.

Softyme
P.O. Box 299
Newport, RI 02840
A bimonthly magazine on Apple disks. Most of its programs are usable with the Echo II speech synthesizer.

Softdisk Magazette
P.O. Box 30008
Shreveport, LA 71130
318/868-7247
A magazine on Apple disks; features articles and programs, most usable with the Echo II speech synthesizer.

Apple Talk
Jeff Weiss
$10.00/year
3015 South Tyler Street
Little Rock, AR 72204
A quarterly magazine, available on disk, for computer users with speech synthesizers.

SENSUS
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Quarterly newsletter with information regarding technology and vision impairment. Spring, 1986 issue of SENSUS dealt with accessible educational software blind and partially sighted people.

Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Newsletter with information regarding technology and vision impairment.

The Visual Field
Florida Instructional Materials Center
5002 North Lois Avenue
Tampa, FL 33614
Quarterly newsletter on products, projects, conferences, etc.

AFB News
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020
Monthly publication. Information on the field of blindness and low vision.

Journal of Visual Impairment and Blindness
American Federation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020
Monthly September-June

Organizations

Sherry Lowry
Speech Enterprises
P.O. Box 7986
Houston, TX 77270
713/461-1666
Distributes and develops large print and voice output software for other products. Special Apple Speech - Large Print Resource List is available for $10.00. Catalog of products available for $3.00 print, $5.00 disk, and $7.50 Braille.

American Printing House for the Blind
P.O. Box 6085
Louisville, KY 40206
502/895-2405
Producers of software for visually handicapped children below college level. APH also published User Manuals in Braille for Apple computers.

Braille Institute
741 No. Vermont Avenue
Los Angeles, CA 90029
213/663-1111
This organization acts as a technological resource center for both visually and physically handicapped individuals.

Braille Board
Nick Dotson
904/433-5325
A computer bulletin board oriented toward blind computer users.

Information Resources on Access to Computers for Blind and Visually Impaired

Home Study Computer Literacy Course
Hadley School for the Blind
700 Elm Street
Winnetka, IL 60093
800/323-4238
(In Illinois, 312/446-8111)

C-TEC (Computer Training and Evaluation Center)
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Teaches blind and visually impaired persons to use computer access devices. Provides a center for equipment, resource lists, purchasing guidelines and evaluations of specialized hardware and software.

Sensory Assistance Center
Department of Justice
10th and Constitution, NW
Washington, DC 20530
202/633-5104
This organization is a service and training center for blind and vision-impaired federal employees. Services include training in the use of computers and demonstrations of new and existing devices.

National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923 (modem)
916/783-0364 (voice)
A nonprofit, charitable corporation with the purpose of gathering and sharing useful information for blind and visually impaired computer users, and providing a mechanism for ongoing exchange of data between manufacturers, self-help groups, interested parties, and the blind community. Runs CompuHelp database and bulletin board. (See Networks, Bulletin Boards and Databases.)

National Technology Center
John DeWitt, Evaluation Coordinator
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2051
Evaluates products; user network; database information. A resource for blind and visually impaired persons and involved professionals.

The Carroll Center for the Blind
770 Center Street
Newton, MA 02158
617/969-6200
Various publications; computer training (Project Cable) and other educational programs.

Computer Users of America
Duane Fischer
5028 Merit Drive
Flint, MI 48506
313/736-3774

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900

Joe Giovanelli
Audio-Tech Laboratories
1158 Stewart Avenue
Bethpage, NY 11714
516/433-0171

Blind Apple Users Group
Helen Keller National Center
111 Middleneck Road
Sands Point, NY 11050
516/944-8900

Harvey Lauer
Blind Rehabilitation Technology Specialist
Blind Center
124 Veterans Hospital
Hines, IL 60141
312/343-7959
Information on various types of computer aids and their application.

Low Vision Services & Aids for the 80's
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
Pamphlets, literature, services for blind.

Information on Blind Access
National Association for the Visually Handicapped
22 West 21st Street
New York, NY 10010
212/889-3141
Also a San Francisco office.

Information Resources on Access to Computers for Blind and Visually Impaired

National Braille Press, Inc.
88 S. Stephen Street
Boston, MA 02115
617/266-6160
Beginner's guide to personal computers, many printer and modem manuals transcribed in Braille.

National Federation for the Blind
Committee on Evaluation of Technology
1800 Johnston Street
Baltimore, MD 21230
301/659-9314

Sensory Aids Foundation
399 Sherman Avenue Suite 12
Palo Alto, CA 94302
415/329-0430

Smith-Kettlewell Institute of Visual Science
Rehabilitation Engineering Center
2200 Webster Street
San Francisco, CA 94115
415/563-2323

Volunteer Braillists, Inc.
5930 Old Sauk Road
Madison, WI 53705
Will transcribe papers, books, etc. into Braille.

Companies

Computer Aids
Bill Grimm
124 West Washington Court
Fort Wayne, IN 46802
219/422-2424

Maryland Computer Services
3132 Southeast Jay Street
Stewart, FL 32497
305/228-2080

Solutions by Example, Inc.
P.O. Box 307 Newton Branch
Boston, MA 02258
617/244-5880

Telesensory Systems, Inc.
455 N. Bernardo Avenue
P.O. Box 7455
Mountain View, CA 94039
415/960-0920

Triformation Systems, Inc.
3130 SE Jay Street
Stuart, FL 33497
305/283-4817

VTEK
1625 Olympic Blvd.
Santa Monica, CA 90404
800/345-2256

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Waisman Center
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Trace Quick Sheets
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Computer Assessment/Training Programs for Disabled Individuals

This list contains information on programs and organizations that provide training for disabled persons involving the use of computers. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Cerebral Palsy Foundation of South Arizona
4710 E. 29th DAC W.
Tucson, Arizona 85711
602/747-6809
Involves basic remediation and rehabilitation, vocational counselling and research on the use of technology with individuals with severe and profound handicaps.

Florida Diagnostic Learning Resources Services (FDLRS)
9220 SW 52 Terrace
Miami, FL 33165
305/274-3501
Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation.

Du Page Easter Seal Treatment Center, Inc.
830 S. Addison
Villa Park, IL 60181
312/620-4433
The center specializes in the use of personal computers in therapy.

Adaptive Computer Technology Center
Kennedy Memorial Hospital
30 Warren Street
Brighton, MA 02135
617/254-3800
Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
612/874-4175
This organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

Living Systems/ITD
2160 S. Lamar
Oxford, Mississipi 38655
601/234-0158
Has a microcomputer laboratory equipped to evaluate and to develop hardware and software which will provide capability to disabled individuals.

John A. Coleman School
New York Foundling Hospital
1175 Third Avenue
New York, NY 10032
212/472-3322, ext. 629
The School uses computers daily with multiply handicapped children (ages 1-10) to achieve a variety of basic educational goals.

Rehabilitation Institute of Ohio
Miami Valley Hospital
One Wyoming Street
Dayton, OH 45409
513/220-2063
The Institute uses computers to help brain injured individuals make maximum use of their abilities. Focus is on cognitive and linguistic retraining using microcomputers as therapeutic tools.

Computer Assessment/Training Programs for Disabled Individuals

Yankton Area Adjustment Training Center
909 W. 23rd Street
Yankton, SD 57078
605/665-2518
Provides computer-assisted learning on the Apple IIe for area special education students. Focus includes job skills, job readiness skills, math skills, time and money skills, pedestrian safety, and motivation.

Technical Resource Center
1820 Richmond Road SW
Calgary, Alberta, Canada T2T 5C7
403/229-7875
Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, inventory control and microcomputers. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, British Columbia V5M 3E8
604/434-1331
Offers assessment and training of physically disabled children for access to microcomputers for education, recreation, and communication.

Valpar International Corporation
Box 5767
Tucson, AZ 85703
602/293-1510
Develops assessment equipment used by professionals for working with people with various disabilities. Offers vocational assessment using microcomputers.

Resources for Living Independently Center
4721 Pine Street
Philadelphia, PA 19143-1809
215/471-2265, 2266
215/471-2267 (TDD)
Provides computer training to disabled consumers as one of its services.

Pearson Society for Assessment and Computer Training
700 West 57th Avenue
Vancouver, BC CANADA V6P 1S1
604/321-3231
Three main objectives: provide assessment of aptitude and compatibility with computers, provide intensive training on the IBM-PC, and teach job search skills and provide employment assistance.

Orange County Department of Education
200 Kalmus Drive
Costa Mesa, CA 92626
714/966-4140
The Educational Technology/Special Schools' goal is to provide opportunities for students to learn how to become more independent in their present and future environments.

Los Angeles Unified School District
15530 Hesby
Encino, CA 91436
818/997-2330
Provides microcomputer training to special education students. Computers are adapted to meet individual special needs. Emphasis is on vocational, recreational, and/or independent living skills.

Disabled Programmers, Inc.
P.O. Box 23118
San Jose, CA 95153
408/629-3700
DPI is an organization that trains disabled individuals to become computer programmers. DPI's Micro Applications Development Lab develops and designs adaptive devices.

Electronic University
TeleLearning Systems, Inc.
505 Beach Street
San Francisco, CA 94133
415/928-2800
Offers home courses (including tutoring) on personal improvement, business and professional skills, and credit/degree programs via computers. Provides counseling, an electronic library and a seminar series.

BIPED Corporation (Business Information Processing Education for the Disabled)
26 Palmer's Hill Road
Stanford, CT 06902
203/324-3935
Teaches computer programming to physically disabled individuals at two different locations (Stanford, CT, and White Plains, NY). Courses available tuition free to disabled individuals.

LIFT, Inc.
350 Pfingsten
Suite 103
Northbrook, IL 60062
312/564-9005
Offers help and training in hiring handicapped individuals as computer programmers.

Computer Assessment/Training Programs for Disabled Individuals

Project Cable
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
617/969-6200
Provides computer assessment, computer training (on adaptive devices), and software, professional training, resources (on devices), and word processing for visually impaired high school students.

Association of Rehabilitation Programs in Data Processing
P.O. Box 2404
Gaithersburg, MD 20879
301/468-6142
Organization offering nationwide data processing training to disabled people.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD .21218
301/366-8800, ext. 231
Provides evaluation of computer applications best suited for enhancing a disabled person's vocation. Acts as a diagnostic resource center in setting disabled students' vocational goals.

Project Enhance
Minneapolis Public Schools Community Education
1006 W. Lake Street
Minneapolis, MN 55408
612/348-6799
Offers beginning computer programming and word processing classes for physically disabled adults as well as beginning computer classes for mentally retarded adults to reinforce academic skills and independent living skills.

Handicapped Access Center
Duluth Public Library
520 W. Superior Street
Duluth, MN 55802
218/723-3809
Trains disabled persons in the use of the Apple IIe. Applications include word processing, data base, AppleSoft Basic, Logo, etc. Product information on software, hardware, and adaptations is available.

L.D. College Writers Project
University of Minnesota
216 Pillsbury Drive SE
Minneapolis, MN 55455
612/376-1672
Training and practice in word processing is provided to college-level learning disabled writers. A set of working papers on compiled research is distributed by mail at cost.

Federation of the Handicapped, Inc.
211 W. 14th Street
New York, NY 10011
212/242-9050
The Federation trains disabled individuals in word processing and general education.

STORER Computer Access Center
Cleveland Society for the Blind
1909 E. 101st Street
Cleveland, OH 44106
216/791-8118
Offers orientation, evaluation, training, engineering support and system rental to blind or visually impaired individuals. Goals are to expand access to educational and vocational opportunities through computer/print technology.

Compute Able Network
P.O. Box 1706
Portland, OR 97207
503/644-2940
Assists individuals with various disabilities to adapt and utilize the rapid advances in computer technology.

Variety Club
Warwick Hotel
17th and Locust Streets
Philadelphia, PA 19103
215/735-0803
This organization offers vocational and rehabilitation training on the use of microcomputers.

Texas State Technical Institute
Drafting and Design
TSTI Waco
Waco, TX 76705
817/799-3611, ext. 3200
TSTI offers a course in Computer Aided Drafting for physically handicapped students. The objective is to help students prepare for careers in drafting and industrial design.

C-CAD (Center for Computer Assistance to the Disabled)
2501 Avenue J
Suite 100
Arlington, TX 76001
817/640-6613
This is an organization that provides computer training and job placement for disabled persons.

Computer Assessment/Training Programs for Disabled Individuals

Concepts for Independent Living
2203 Airport Way South
Suite 310
Seattle, WA 98134
206/343-0670
This organization is dedicated to developing and expanding opportunities for independent living for all disabled people.

Computers to Help People, Inc.
1221 W. Johnson Street
Madison, WI 53715
608/257-5917
Provides disabled people with vocational training in computer operation. Also sells software designed for physically disabled people.

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Selected Information Resources for the Deaf

The following list contains information on information resources for the deaf or hearing impaired: books and printed materials, organizations, newsletters and periodicals, and companies. Check the Additional Resources and Newsletters resource lists for further information. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Other Printed Materials

A Catalog of Captioned Educational Videotapes
National Technical Institute for the Deaf (NTID)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400

College and Career Programs for Deaf Students
$5.00 (1 to 4 copies)
Gallaudet College
Center for Assessment and Demographic Studies
Kendall Green
Washington, DC 20002
A guide to evaluating college programs, and information on more than 130 programs, including available support services.

Organizations

Foundation for Communication for the Disabled
31 Southampton Row
London, ENGLAND WC1B 5HJ
01-405-1019

National Association of the Deaf
814 Thayer Ave.
Silver Spring, MD 20910
301/587-1788 (voice and TDD)

National Technical Institute for the Deaf (NITD)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400
The world's largest technical college for deaf students, offering the opportunity for deaf students to go to college in a hearing environment to facilitate transition to a hearing society (15,000 hearing students; 1,250 college-age deaf students). Funded by the U.S. Department of Education.

Kelston School for Deaf Children
Private Bag
New Lynn
Auckland
Australia 874-859
Uses computer technology to aid language development for hearing impaired students. Provides courses in commercial applications for teenage and adult deaf students as well as parents, and acts as a resource center.

Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
National organization offering support services to deaf individuals.

Selected Information Resources for the Deaf

National Information Center on Deafness
Gallaudet College
800 Florida Avenue
Washington, DC 20002
202/651-5109
Provides either direct information or appropriate references to deaf or hearing impaired individuals. The center also publishes brief bibliographies and narrative fact sheets on requested topics free of charge.

Newsletters and Other Periodicals

The Voice
2939 Hollandale
Dallas, TX 75234
214/349-3271 (voice or TDD)
Bimonthly publication. Information for hearing impaired people on adaptive devices and computer access equipment selection.

Shhh (Self-Help for Hard of Hearing People)
7800 Wisconsin Avenue
Bethesda, MD 20814
301/657-2248 (voice)
301/657-2249 (TTY)
Bimonthly. A journal about hearing loss.

American Annals of the Deaf
P.O. Box 2605
Columbia, MD 21045
301/461-7400
Journal for professionals working with deaf and hearing impaired individuals.

Hearing Instruments
P.O. Box 6079
Duluth, MN 55806

Newsounds
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
Newsounds is a newsletter for deaf and hearing impaired individuals that is published alternately with the Volta Review (see below). It contains information on conferences concerning microcomputers.

Volta Review
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
This journal for hearing impaired people reports on a variety of technology-related topics and issues.

Companies

American Communications Corporation
180 Roberts Street
East Hartford, CT 06108
203/289-3491
Am-Com I, LUV 1.

Garid
9817 Valley View Road
Eden Prairie, MN 55344
612/941-5464
800/328-4827, ext. 1400

Breakthrough Trust Communication Centre
5 Moreland Court
Moreland Street
Nottingham, ENGLAND NG2 3GS

The Deaf Factory Store
5010 Branchville Road
College Park, MD 20740
301/772-1565
301/722-2493 TDD
Products include computer and TDD software.

Krown Research, Inc.
6300 Arizona Circle
Los Angeles, CA 90045
213/641-4306 (Voice/TDD)

Palmetto Technologies
P.O. Box 498
Duncan, SC 29334
803/439-4309 (Voice or TDD)

Specialized Systems, Inc.
11339 Sorrento Valley Road
San Diego, CA 92121
714/455-9000
714/481-6060

3M Company
Business Communication Products Division
220-9W 3M Center
St. Paul, MN 55144
612/733-1852

Ultratec, Inc.
6442 Normandy Lane
Madison, WI 53719
608/273-0707
Products include computer interface.

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Head Pointers, Light Pointers, and Mouthsticks

Below is a list of pointing devices, the manufacturers who make them, and their prices as of August, 1986, with a brief physical description of each device. No endorsements are intended, and the accuracy of the prices is not guaranteed. Please contact the manufacturer before placing any order.

Manufacturer	Product	Physical Description	Cost
Adaptive Communication Systems, Inc. 994 Broadhead Road Suite 202 Coraopolis, PA 15108 (412) 264-2288	Light Pointer	Attaches to head or other part of body with a strap, projects a red dot of light. Also used as input device for the PhotPAC electronic communication aid.	$295.00
Cleo, Inc. 3957 Mayfield Road Cleveland, OH 44121 (216) 382-9700	Adjustable Head Pointer	Bendable foam-lined aluminum frame. Adjustable-length pointer projects from top of head.	$23.50
Crestwood Company P.O. Box 04606 Milwaukee, WI 53204 (414) 461-9876	Talking Beam	Light bulb is located at the end of a 10" flexible rod that projects from the top of the head.	$39.95
Extensions for Independence 635-5 North Twin Oaks Valley Road San Marcos, CA 92069 (619) 744-4083	Heyer-Abadie Modular Mouthstick	Mouthstick with V-shaped mouthpiece gripped with the molars. Various rod lengths and optional tips available.	$87.50 and up
Fred Sammons, Inc. Box 32 Brookfield, IL (800) 323-7305	Adjustable Head Pointer	Adjustable aluminum frame with elastic straps. Adjustable-length pointing rod projects from the top of the head.	$18.95
	Clear-View Head Pointer	Pointing rod projects out and down at jaw level. Frame is adjustable.	$79.95
	Mouthsticks	Available in 10" - 20" lengths. V-shaped mouthpiece. Various optional tips.	$27.00 - $70.00

Maddak, Inc. Pequannok, NJ 07440 (201) 694-0500 Ask about local distributor	Adjustable Head Pointer	Plastic frame is adjustable for head size. Pointing rod projects from top of head; offers adjustable length and angle.	$36.75
	Mouth Held Page Turners	Plastic rods with heart-shaped mouthpieces. Tips are designed for gripping pages. Three widths available.	$6.00 - $6.45
Prentke Romich Company 1022 Heyl Road Wooster, OH 44691 (216) 262-1984	Viewpoint Optical Indicator 6	Small lightbeam projector mounts on user's head with a band. Spot of light is 0.6" diam. at 2 feet. Angle of pointer is adjustable.	$299.00

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Keyboard Modification Programs

All of the software listed below has certain features that modify the normal operation of the standard computer keyboard, in order to facilitate typing on the keyboard while running standard computer programs. These features fall into four categories:

1) Single-Finger Operation: Keyboard modifications that eliminate the need to press more than one key at a time. The typical single-finger program converts the action of keys such as SHIFT to latching*; that is the key will be engaged by pressing it once, and then disengaged by pressing it again. In some cases the SHIFT key will hold only for the next keypress, after which it automatically releases.*
2) Auto-Repeat Defeat: Most standard keyboards have a feature which causes a key to repeat after it is held down for a certain length of time. This class of program disables or modifies that feature. This capability would be useful to any user who tends to trigger the auto-repeat unintentionally.
3) Abbreviation Expansion: Allows the user to create short sets of characters (the abbreviation) which will trigger longer sets of characters (the expansion). (These abbreviation-expansion combinations are sometimes known as "macros.") Some programs offer automatic expansion of abbreviations (they expand as soon as they are typed), and others require that a special key be pressed to expand the abbreviation. Abbreviation expansion would be useful to anyone who needs to speed up their typing rate on the computer. Contact the manufacturer of the program to make sure that abbreviations do not require two keys to be held down at the same time ("chordic" abbreviations), if this is an important consideration for you.
4) Keyboard Redefinition: Provides the ability to redefine the position of some or all of the keys on the keyboard. This type of modification would be useful to anyone who needs an alternate keyboard layout.

Besides cost and computer compatibility, some major considerations in selecting one of these programs are: (1) Does the program best provide for the user's need? (2) What other features are offered and are they desirable? (Some of the programs listed have features in addition to the ones enumerated above.) (3) How compatible is the program with the software that the user will be running? (Some of the programs may not be fully "transparent.") Inclusion on this list does not constitute an endorsement, and the accuracy of the prices is not guaranteed. Always contact the manufacturer for more information about the product before placing any order.

Manufacturer	Product	Computer	Description	Cost
Adaptive Peripherals 4529 Bagley Avenue North Seattle, WA 98103 (206) 633-2610	Adaptive Firmware Card	Apple II+, IIe	An internal circuit card that fits in an expansion slot in the Apple. The AFC offers the capability of using up to 16 special input methods. Two of its features are single-finger operation and auto-repeat defeat.	$400.00

Affinity Microsystems, LTD 1050 Walnut Street Suite 425 Boulder, CO 80302 (800) 367-6771	Tempo	Apple Macintosh	Abbreviation expansion. Macros can include mouse movements as well as keystrokes	Contact manufacturer
Alpha Software 30 B Street Burlington, MA 01803 (617) 229-2924	Keyworks	IBM-PC	Abbreviation expansion capability. Abbreviation list can be edited on-screen while running another program.	$89.95
Beagle Bros., Inc. 3990 Old Town Avenue Suite 102C San Diego, CA 92110 (619) 296-6400	MacroWorks	Apple II family	Allows abbreviation expansion to be used in AppleWorks programs. Built in macros plus ability to create custom. Three other AppleWorks utilities included.	$34.95
Borland International 4585 Scotts Valley Drive Scotts Valley, CA 95066 (408) 438-8400	SuperKey	IBM-PC	Abbreviation expansion plus other utilities. Help screens can be made for each group of macros.	$69.95
Brown & Co., Inc. P.O. Box 2443 South Hamilton, MA 01982 (617) 468-7464	PC-Pedal	IBM-PC	Allows a pedal, or any single switch, to be used in lieu of the SHIFT, ALT, or CONTROL keys. The "enhanced" version allows the pedal or switch to subtitute for any desired key.	$79.95
Computers to Help People, Inc. 1221 West Johnson Street Madison, WI 53715 (608) 257-5917, 257-1270 (TDD)	CHPI Apple Tool Kit	Apple II family	A braille-output program designed to allow single-finger operation as well. Also provides morse code output.	$15.00
Covington Group 4519 Perry Avenue North Minneapolis, MN 55422 (612) 537-4910	Keyer	Tandy 100 and 200, NEC 8201A (on cassette)	Allows any desired amount of keyboard redefinition: any key can be "moved" to any desired location.	$19.95
Designing Aids for Disabled Adults 1024 Dupont Street Toronto, ON M6H 2A2 CANADA (416) 533-4494	PC Assisted Keyboard	IBM-PC	Allows single-finger operation of SHIFT, ALT, and CONTROL keys, plus keyboard redefinition.	$40.00

Designing Aids for Disabled Adults (cont'd)	PC AID and PC Serial AID	IBM-PC	Adaptive devices for the IBM-PC that allow a number of special input methods: single switch scanning, morse code, etc. Special input capabilities include assisted keyboard function with standard keyboard.	$150.00-$200.00
Dvorak International 11 Pearl Street Brandon, VT 05733 (802) 247-6020	Dvorak Keyboard Modification Programs	Apple II, Apple Macintosh, Commodore 64, IBM-PC	A number of programs for redefining the computer keyboard to the Dvorak two-handed and one-handed layouts. Dvorak International also maintains lists of keyboard redefinition programs by other manufacturers.	Various
EnterSet, Inc. 410 Townsend Street San Fransisco, CA 94107 (415) 543-7644	QuickWord	Apple Macintosh	Abbreviation expansion, allowing creation and editing of custom abbreviation tables while running another program.	$59.00
Kinetic Designs, Inc. 4113C Bridgeport Way Tacoma, WA 98466 (206) 565-6727	Filch	IBM-PC	Auto-repeat defeat can be switched on and off. One-finger operation of SHIFT, ALT and CONTROL keys includes latching plus assigning a different audio tone to each of these keys.	$89.00
Life Science Associates 1 Fenimore Road Bayport, NY 11705 (516) 472-2111	Repeat Defeat	Apple IIe	A integrated circuit ("chip") socket that can be installed by the user. Disables the auto-repeat. Comes with on/off switch.	$29.95
McCuiston, Ronald S. 5795 Adelyn Road Penascola, FL 32504 (904) 476-8916	Handi-Keys	TRS-80 Model 2	Allows keyboard redefinition. A second program will provide statistical analysis of text.	$40.00
Micro Connection, Inc. P.O. Box 198 Bedford, MA 07130 (617) 274-8112	Hope	Apple II, IBM-PC	Allows single-finger operation of CONTROL, ALT and SHIFT keys on the IBM; ESCAPE and CONTROL keys on the Apple.	$59.95

Murray, Fr. Bradley (for information) 19 I Street Northwest Washington, DC 20001 (202) 842-1650	CTRL & ALT Key Adaptive Program	IBM-PC	One-finger operation for these two keys plus SHIFT. Pressing the key latches it for the next keystroke only. CONTROL-ALT-DELETE (system re-boot) can also be executed sequentially.	$10.00
RoseSoft, Inc. 4710 University Way Northeast Suite 601 Seattle, WA 98105 (206) 524-2350	ProKey	IBM-PC	Abbreviation expansion. Macro lists can be created and edited while running another program. Also includes single-finger for SHIFT and CONTROL keys.	$129.95
Software Research Technologies 2130 South Vermont Avenue Los Angeles, CA 90007 (213) 737-7663	SmartKey	IBM-PC	Abbreviation expansion. Macro lists can be created and edited while running another program. Single-finger operation of SHIFT and CONTROL keys. Keyboard redefinition capability.	$49.95- $59.95
Trace Center S-151 Waisman Center 1500 Highland Avenue Madison, WI 53705 (608) 262-6966	One Finger	IBM-PC and PCjr	One-finger operation of SHIFT, ALT and CONTROL keys. Pressing the key once latches it for the next keystroke only; twice latches it until it is released. Audio tones indicate operation.	$10.00
Washington Research Foundation Suite 322, U-District Building 1107 Northeast 45th Street Seattle, WA 98105 (206) 633-3569	Special Inputs Disk	Apple II family	Allows many special input methods, like the Adaptive Firmware Card (above). Includes option to use switches for the SHIFT and CONTROL keys.	$25.00
Xpert Software 8865 Polland Avenue San Diego, CA 92123 (619) 268-0112	XtraKey	Any using CP/M operating system	Abbreviation expansion. Each key on the keyboard can have one macro defined for it.	$25.00- $29.95
Zygo Industries, Inc. P.O. Box 1008 Portland, OR 97207 (503) 297-1724	Abbreviation/ Expansion	Apple IIe	Functions as a text editor (very simple word processor) in its own right; has abbreviation expansion capability plus single-finger operation	$75.00

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Keyguards

Keyguards are plastic or metal plates that fit over the keyboard and have a hole over each of the keys. Keyguards help prevent inadvertent keystrokes. Listed below are some manufacturers who make keyguards, the computers or other devices for which they make them, and the prices as of August, 1986. No endorsements are intended, and the accuracy of the prices is not guaranteed. Please contact the manufacturer before placing an order.

Manufacturer	Models of Keyguard	Cost
Adaptive Communication Systems, Inc. 994 Broadhead Road Suite 202 Coraopolis, PA 15108 (412) 264-2288	Epson HX-20 computer and ACS communication aids.	$95.00
Adaptive Technology, Inc. 5334 72nd Circle North Brooklyn Center, MN 55429 (612) 560-0861	Apple II family, Apple Macintosh, IBM-PC and PCjr	$15.00 - $25.00
AT & T 2001 Route 46 Parsippany, NJ 07054 (800) 233-1222	Standard Touch-Tone Phone	No charge
ComputAbility Corporation 101 Route 46 East Pine Brook, NJ 07058 (201) 882-0171	Apple IIe and IIe	$79.95
COPH-2 2020 Irving Park Road Chicago, IL 60618 (312) 866-8195	Apple IIe and II+, TRS-80 models 1 and 3	$30.00
Developmental Equipment 981 Winetka Terrace Lake Zurich, IL 60047 (312) 438-3476	Apple II family, Commodore 64 and VIC-20, IBM-PCjr	$89.50

Prentke Romich Company 1022 Heyl Road Wooster, OH 44691 (216) 262-1984	Apple II family, Apple Macintosh, Commodore 64, IBM-PC, Franklin, Atari,Texas Instruments TI 99/4A, custom keyguards available	$85.00 - $100.00 (custom extra)
TASH, Inc. 70 Gibson Drive Unit 1 Markham, ON L3R 2Z3 CANADA (416) 475-2212	Apple II family, Commodore 64 and VIC-20, IBM-PC	$44.00 - $174.50
Words+, Inc. 1125 Stewart Court Suite D Sunnyvale, CA 94086	Apple IIc and IIe, Epson HX-20, Grid, custom keyguards available	$50.00 - $75.00 (custom extra)
Zygo Industries, Inc. P.O. Box 1008 Portland, OR 97207 (503) 297-1724	Sharp Memowriter	$100.00

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
September, 1986

Manufacturers of Electronic Communication Aids

Below is a list of companies which manufacture stand-alone electronic communication aids: portable devices with printed and/or synthesized voice output. Some of these devices require the ability to press keys on a keyboard; others operate by scanning (sequential presentation of choices wherein the user selects with a switch), morse code input, or optical headpointing devices.

This list includes North American manufacturers only, and is intended as a reference for those who want an overview of the electronic communication aid marketplace. Inclusion on this list is not intended as an endorsement. Contact the manufacturers for more specific information on the systems they produce.

Adaptive Communication Systems, Inc.
994 Broadhead Road
Suite 202
Coraopolis, PA 15108
(412) 264-2288
[SpeechPAC/Epson]

Canon U.S.A., Inc.
One Canon Plaza
Lake Success NY 11042
(516) 488-6700
[Canon Communicator]

Commetrics, LTD
P.O. Box 278
St. Lambert PQ J4P 3N8
CANADA
(514) 672-4534
[Talking 100]

Computers for the Physically Handicapped
7602 Talbert Avenue
Suite 5
Huntington Beach, CA 92647
(714) 848-1122
[TIM System]

Crabapple Systems
118 Commercial Street
Portland ME 04101
(207) 772-8610
[Speech Pad]

Developmental Equipment
981 Winnetka Terrace
Lake Zurich IL 60047
(312) 438-3476
[Audio Scan]

ETI Corporation
1000 Long Boulevard
Suite 5
Lansing MI 48911
(517) 694-9737
[Switchboard]

Furalletech Systems, Inc.
P.O. Box 190
Liberty IA 52358
(319) 626-6101
[Flexcom]

Garid, Inc.
9313 Valley View Road
Eden Prarie MN 55344
(612) 941-5464
[Personal Communicator]

Innocomp
Innovative Computer Applications
33195 Wagon Wheel
Solon OH 44139
(216) 248-6206
[Say-It-All]

Intex Micro Systems Corporation
725 South Adams Road
Suite L8
Birmingham MI 48011
(313) 540-7601
[ICOMM]

Phonic Ear, Inc.
250 Camino Alto
Mill Valley CA 94941
(415) 383-4000
[VOIS Series]

Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
(216) 262-1984
[Touch Talker, Light Talker]

Shea Products, Inc.
1042 West Hamlin Road
Rochester MI 48063
(313) 656-2281
[Special Friend]

SoftCap Company
P.O. Box 7113
Rochester MN 55903
(507) 288-6729
[Timothy System]

Sonoma State Hospital/Development Center
Communication Engineering
P.O. Box 1493
Eldridge CA 95431
(707) 938-6306
[Sonoma Voice]

TASH, Inc.
70 Gibson Drive
Unit 1
Markham ON L3R 2Z3
CANADA
(416) 475-2212
[Talking 100 Communicator]

Texas Instruments, Inc.
Attention: Parts
P.O. Box 53
Lubbock TX 79408
(800) 842-2737
[Vocaid]

VTEK
1625 Olympic Boulevard
Santa Monica CA 90404
(213) 452-5966, (800) 345-2256
[Small Talk]

Wayne County Intermediate School District
Attention: Greg Turner
33500 Van Born Road
Wayne MI 48184
(313) 467-1415
[WOLF and ScanWOLF]

Words+, Inc.
1125 Stewart Court
Suite D
Sunnyvale CA 94086
(408) 730-9588
[Equalizer, Trine System]

Zygo Industries, Inc.
P.O. Box 1008
Portland OR 97207
(503) 297-1724
[ScanWRITER, Zygo Notebook]

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Trace Quick Sheets
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Manufacturers of TDDs
(Telecommunication Devices for the Deaf)

Below is a list of manufacturers of TDDs: devices which allow deaf people to communicate over telephone lines. The user types in messages on the TDD keyboard, and these can be read by the person on the other end of the line (this person must also have a TDD). TDD messages may be displayed on an electronic display (LED or LCD), printed on a printer, or both; depending on the model of TDD. Most all TDDs communicate via Baudot *code, which has become the standard for TDD communications. Some also offer the option of transmitting and receiving ASCII code, the American standard code used for much of the transmission of computer data via modem. This capability would open up the option of being able to send and receive messages if the person on the other end is using a computer. There are also TDD's that allow messages to be sent or recieved by typing on the buttons of a standard touch tone phone.*

This list includes North American manufacturers only, and is not intended to be all-inclusive or to imply any endorsements. Contact the manufacturers for more information on the products that they produce.

American Communication Corporation
1040 Roberts Street
East Hartford CT 06108
(203) 289-3491

Audio Tone Company
2422 West Holly
Phoenix AZ 85009
(602) 254-5888

Garid, Inc.
9313 Valley View Road
Eden Prarie MN 55344
(612) 941-5464

Krown Research, Inc.
6300 Arizona Circle
Los Angeles CA 94005
(213) 641-4306 (voice or TTY)

Palmetto Technologies, Inc.
P.O. Box 498
Duncan SC 29334
(803) 576-2886 (voice or TDD)

Precision Controls, Inc.
P.O. Box 45
Haskell NJ 07465
(201) 835-5000

Specialized Systems, Inc.
6060 Corte del Cedro
Carlsbad CA 92008
(619) 438-8800

Telesensory Systems, Inc.
455 North Bernardo Avenue
P.O. Box 7455
Mountain View CA 94039
(415) 960-0920

Ultratec, Inc.
6442 Normandy Lane
Madison WI 53719
(608) 273-0707

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Trace Quick Sheets
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Manufacturers of Switches and Controls

Listed below are companies that make or sell switches or controls which can be used for control of communication devices, environmental control systems, or switch-based computer adaptations. All switches perform basically the same function: they open and close an electrical circuit. They may be single, dual, or multiple; and they may be momentary contact (the circuit remains closed only as long as the switch is activated) or latching (activating the switch once closes the circuit; activating it again opens it). The term "control" applies to a proportional (or analog) device: one whose control capabilites more spohisticated than just opening and closing an electrical circuit or circuits. Many joysticks used to control electric wheelchairs are proportional controls.

This list includes North American manufacturers only, and is not intended to be all-inclusive or to imply any recommendations. Contact the manufacturers for more information on types of switches, prices, etc.

AbleNet
Cerebral Palsy Center, Inc.
360 Hoover Street
Minneapolis MN 55413
(612) 331-5958

ComputAbility Corporation
A Division of Preston
101 Route 46 East
Pine Brook NJ 07058
(201) 882-0171

Developmental Equipment
981 Winnetka Terrace
Lake Zurich IL 60047
(312) 438-3476

Dickey Engineering
3 Angel Road
North Reading MA 01864
(617) 657-3460

DU-IT Control Systems Group, Inc.
8765 Township Road #513
Shreve OH 44676
(216) 567-2906

EKEG Electronics Company LTD
P.O. Box 46199, Station G
Vancouver BC V6R 4G5
CANADA
(604) 685-7817

Fred Sammons, Inc.
Box 32
Brookfield IL 60513
(800) 323-7305

Handicapped Children's Technological Services, Inc.
P.O. Box 7
Foster RI 02825
(401) 861-6128

Hugh MacMillan Medical Centre
350 Rumsey Rd.
Toronto ON M4G 1R8
CANADA
(416) 425-6220

Luminaud, Inc.
8688 Tyler Boulevard
Mentor OH 44060
(216) 255-9082

Maddak, Inc.
Pequannock NJ 07440
(201) 694-0500

Medical Equipment Distributors, Inc.
3223 South Loop 289
Suite 150
Lubbock TX 79423
(806) 793-8421

Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
(216) 262-1984

Steven E. Kanor, Ph.D., Inc.
8 Main Street
Hastings-on-Hudson NY 10706
(914) 478-0960

TASH, Inc.
70 Gibson Drive
Unit 1
Markham ON L3R 2Z3
CANADA
(416) 475-2212

Words+, Inc.
1125 Stewart Court
Suite D
Sunnyvale CA 94086
(408) 730-9588

Zygo Industries, Inc.
P.O. Box 1008
Portland OR 97207
(503) 297-1724

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Trace Quick Sheets
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Networks, Bulletin Boards and Databases

This is a summary of databases and computerized networks of interest to people with disabilities and those working with them. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

On-Line Microcomputer Guide and Directory
(BRS)
On-Line, Inc.
11 Tannery Lane
Weston, CT 06883
203/227-8466
Database with listings of software, including descriptives, reviews, and producer comment. No game/entertainment software.

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900
Teleconferencing, bulletin board, and database for blind persons and those working with them. Database information is available on rehabilitation resources, public policy, calendar of events, software descriptions and reviews, a multihandicapped blind conference, specialized training facilities, low vision, job exchange, technological aids and assistive devices, and occupational information.

KendallNET
Kendall Demonstration Elementary School
800 Florida Avenue NE
Washington, DC 20002
202/651-5260 (voice or TDD)
A computer network developed specifically for schools and programs serving hearing impaired students. Electronic bulletin boards on new hardware, solutions to technical problems, what works well with deaf students, discussions of trends. An educational software clearinghouse listing programs in use or under evaluation at KDES or other schools and programs for the deaf. Electronic mail system, computer pen pal project.

Robotics Information
(BRS)
EIC/Intelligence, Inc.
48 West 38th Street
New York, NY 10018
212/944-8500
Database with journals, books, technical reports, and conference proceedings dealing with robotics.

ARTN (Advanced Rehabilitation Technology Network)
ACS Medicom
25825 Eshelman Avenue
Lomita, CA 90717
A network for rehab centers in N. America designed and managed by ACS Medicom. Intended to provide a key to more effective use of all rehab databases. Information is available on research & technical information, product information & test results, funding, legislative/legal efforts, education, employment. As well as electronic mail and data, ARTN stations will be able to run and use any program on the fileserver (e.g., Lotus 1-2-3 and DBase III Plus, etc.). 25 round one sites began using ARTN in June 1986.

CTG Solutions
Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
A database with information on computer technology for persons with disabilities. Information on hardware, software, publications, organizations, and practices/procedures is available at a cost of $10.00 per inquiry. Annual membership fee will be initiated in October, 1986. Mail or phone inquiries; operator sends a printed document.

Networks, Bulletin Boards and Databases

AppleCider BBS
Greg Trobaugh
39-44 24th Street, Apt. 3B
Long Island City, NY 11101
718/482-0088 (voice)
718/482-0089 (modem)
A bulletin board service designed to provide support to all computer users, with special emphasis on making information available to disabled persons regarding the use of the computer for productive work and rehabilitation.

CompuHelp
National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923, modem
916/783-0364, voice
A menu-driven database and bulletin board for use by blind and visually impaired computer users. Information on hardware, software, publications in braille or tape, self-help groups, blind computer user groups, etc. No charge; $10.00/year donation is requested. 24 hours per day.

Logo Class Penpal Network
Ruffner Hall
University of Virginia
Charlottesville, VA 22903
804/924-3332
The network matches participating Logo teachers and their classes with other counterparts from around the U.S., Canada, or overseas, by grade level, Logo experience, interests, and computer compatibility.

Rare Disease Database
NORD
Box 8293
New Fairfield, CT 06812
203/746-6518
This is a searchable database on CompuServe, accessible with a PC and a modem. Contains health related information with resources that can be contacted for further assistance.

CompuServe
P.O. Box 20212
5000 Arlington Centre Blvd.
Columbus, OH 43220
800/818-8199
A nationwide database with bulletin boards that provide information on handicapped persons, issues, technology, and statistics, among other things.

Tech-Net
Psi-Tech Program
Concepts for Independent Living
Operations Center
2203 Airport Way South
Suite 310
Seattle, WA 98134
206/343-0670
A nationwide information network for the disabled community. Four available databases service referral, equipment exchange, publication referral and talent registry (able-bodied volunteers). Planned database: civil/legal rights, peer interest groups, open bulletin board for information sharing.

Rural Rehabilitation Technologies Database
University of North Dakota
Medical Center, Rehabilitation Hospital
Box 8202
Grand Forks, ND 58202
701/780-2489
This organization maintains a database containing information about technological devices of interest to disabled people.

JAN (Job Accommodation Network)
P.O. Box 468
Morgantown, WV 26505
304/293-7186 (general information)
800/526-7234
A computerized catalog of solutions to accommodate functional access limitations in work environments. It was developed to promote the hiring and advancement of people with organizations.

The Disability Forum
Daveed Mandell
P.O. Box 3557
Berkeley, CA 94703
Information sharing, experience sharing. Also The Mainstream Center, Round Hill Road, Northhampton, MA 01060-2199.

ABLEDATA
National Rehabilitation Information Center
The Catholic University of America
4407 Eighth Street NE
Washington, DC 20017
202/635-6090
A computerized listing of commercially available products for rehabilitation and independent living.

Networks, Bulletin Boards and Databases

Accent on Information
P.O. Box 700
Bloomington, IL 61701
309/378-2961
A computerized product database organized by categories of equipment and by disability function.

ADDS (Assistive Device Database System)
American International Data Search, Inc.
2326 Fair Oaks Boulevard
Suite C
Sacramento, CA 95825
800/275-8700
800/223-2437 (California residents)
A source of information on adaptive equipment programs and other resources. Requests can be made via computer, mail, or the toll free number.

BDIS (Center for Birth Defects Information Services)
171 Harrison Avenue
Boston, MA 02111
617/956-7400
A computerized database of articles, diagnostic test cases, and an undiagnosed birth defects registry.

AdvocNet
The National Center for Research in Vocational Education
Ohio State University
1960 Kenny Road
Columbus, OH 43210
800/848-4815
614/486-3655 (in Ohio)
A communications network for vocational educators; includes The Vocational Education Special Needs Newswire.

CompuServe
(1) HUD (Handicapped User's Database)
Rear 4
Furry Court
Lancaster, OH 43130

CONFER
Blissymbolics Communication Institute
350 Rumsey Road
Toronto, Ontario M4G 1R8
406/424-3806
A computer conferencing network that enables users to establish and participate in technology-related forums and conferences regarding individuals.

CRISP (Computer Retrieval of Information on Scientific Projects)
National Institute of Health
Westwood Building, Room 148
5333 Westbard Avenue
Bethesda, MD 20205
301/496-7543
A scientific base of information developed from recent government health research.

CUSSNet (Computer Use in Social Services Network)
Division of Social Work
East Carolina University
Greenville, NC 27834
Computerized inventory of commercially available and public domain human services software. One component specializes in info on computers and handicapped users. Classification by special interest group available. Local and national bulletin boards, downloading of public domain software, skills bank, special interest groups. Teaching materials, reports, literature concerned with the education of disabled children and adults.

OR: Dick Schoech, School of Social Work, University of Texas at Arlington, P.O. Box 19129, Arlington, TX 76019.

DEAF-NET
SRI International
333 Ravenswood Avenue
Menlo Park, CA 94025
415/859-2236
A computer network designed for but not limited to the hearing impaired.

EIES (Electronic Information Exchange System)
Computerized Conferencing and Communications Center
New Jersey Institute of Technology
323 High Street
Newark, NJ 07102
201/641-5321
Currently investigating the use of the EIES System to allow people with disabilities, the homebound, and senior citizens to communicate among themselves and with others.

ECER, ERIC (Educational Resources Information Center)
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660
ECER is the ERIC database. It has educational materials (including special education), reports, bibliographic information, available via computer, microfiche, or paper copy.

Networks, Bulletin Boards and Databases

HEX
(Handicapped Education Exchange)
11523 Charlton Drive
Silver Spring, MD 20902
301/681-7372
A computerized bulletin board available through the public telephone network. Free services are offered for those involved in the education of the handicapped.

NARIC (National Rehabilitation Information Center)
See ABLEDATA

NTIS (National Technical Information Service)
Department of Commerce
5285 Port Royal Road
Springfield, VA 22161-2200
703/487-4600 general information
703/487-4642 computer searches
703/487-4640 documents
A leading source for government research and reports. Data searches on topics are published and available for order.

REHABDATA
See ABLEDATA.

Specialnet
National Association of State Directors of Special Education
2021 K Street NW, Suite 315
Washington, DC 20006
202/296-1800
This network features telephone access, electronic mail, bulletin and data collection in the area of special education.

UNET
The M.U.S.E. User's Network
Western Illinois University
Macomb IL 61455
309/298-2257
An electronic bulletin board for computer users, program developers, and educators; information on computer use in special education, forum for information and idea sharing, and access to public domain software relevant to the field. On-line 24 hours/day, 7 days/week. No membership charge.

Well-Net
(CHIP - Community Health Information Project)
222-C View Street
Mountain View, CA 94141
415/968-8798
415/968-1126
A nationwide electronic bulletin board for the disabled. No membership fee.

Center for Special Education Technology
Technology Information Exchange
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
800/345-8324
703/620-3660
Two electronic bulletin boards offering news about special education technology and information from other special educators. Information is primarily on how the technology is used, rather than on the products. Information and fact sheets available at no charge.

LINC Resources, Inc.
3857 N. High Street
Columbus, OH 43214
614/263-5462
A computerized database of the software for instruction, personal assistance, administration, and testing. Free searches.

Microcomputer Education Applications Network
256 North Washington Street
Falls Church, VA 22091
703/536-2310
An information exchange network for special educators.

TRAIN
Suite 101
Neshaminy Plaza 11
Bensalem, PA 19020
215/639-1513
A database of testing, training resources, assessment, and workshop materials used in special education. Inservice Network for professionals in special education.

HELPNET
Special Education Software Center
Building B, Room S312
333 Ravenswood Avenue
Menlo Park, CA 800/435-7639 (access) (except Alaska and Hawaii)
800/223-2711 (technical information)
800/327-5892 (software information)
On-line access to the Special Education Software Center. With a modem and telecommunications software, the center can be contacted via a toll-free number. Future plans include bulletin boards where software subroutines developed as a part of technical assistance activities are made available. No charge.

Networks, Bulletin Boards and Databases

Sources of Additional Information

The Complete Handbook of Personal Computer Communication:
Everything You Need to Know to Go Online with the World
St. Martin's Press
175 5th Avenue
New York NY 10010
212/657-5151

Online Databases that Include Rehabilitation Information
Sharon McFarland
NARIC
The Catholic University of America
4407 Eighth Avenue NE
Washington, DC 20017
202/635-5822

National Computer Bulletin Board Directory
Thomas Wnorowski
$2.00
3352 Chelsea Circle
Ann Arbor, MI 48104
Lists more than 1400 bibliographies.

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Newsletters and Journals

This list is divided into sections of publications with information for computer users with disabilities, and those using computers to teach persons with disabilities, and information on the area of augmentative communication.

No recommendations or endorsements are implied by inclusion in this list. Contact each resource for specific, up-to-date information.

Journal for Computer Users in Speech and Hearing
Computer Users in Speech and Hearing (CUSH)
School of Hearing and Speech Sciences
Ohio State University
Athens, OH 45701
614/594-6168
Publishes manuscripts dealing with computer applications in diagnosis, treatment, and delivery of services to communicatively handicapped persons. Includes software/hardware reviews, new product announcements and summaries.

American Journal of Occupational Therapy
American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626
Publication that lists new approaches, practices, research, educational activities and professional trends in occupational therapy.

SERC Newsletter
Connecticut Special Education
Resource Center
Hartford Graduate Center
275 Windsor Street
Hartford, CT 06120
203/246-8514
Outlines the Special Education Resource Center's inservice activities, and lists new acquisitions, including professional books, instructional materials and microcomputer software.

Electronic Education
Electronic Communications, Inc.
1311 Executive Center Drive
Suite 220
Tallahassee, FL 32301
904/878-4178
Electronic Education features educational uses of the microcomputer. Has carried articles on computer applications in special education.

Rehabilitation Gazette
Gazette International Networking Institute
4502 Maryland Avenue
St. Louis, MO 63108
314/361-0475
A bi-annual international journal on the subject of independent living. Published by disabled individuals, it features articles on travel, book reviews, technological equipment and friends around the world.

TRAINING, The Magazine of Human Resource Development
Lakewood Publications, Inc.
The Lakewood Building
50 S. 9th Street
Minneapolis, MN 55402
612/333-0471
Articles concerning training disabled employees to do their jobs in corporate and industrial settings as well as making jobs accessible to disabled people. Concentrates on adapting existing business equipment.

Ruralink
ACRES
359 Miller Hall
W. WA University
Bellingham, WA 98225
206/676-3576
Each issue contains a section on technology. Additionally, various other sections report latest technological and adaptive devices for rural disabled individuals.

Rural Special Education Technology
National Rural Development Institute
359 Miller Hall
W. WA University
Bellingham, WA 98225
206/676-3576
Each issue contains sections on resources, problems and strategies, many of which are related to technology for handicapped persons. A recent issue was devoted exclusively to technology.

Education Computer News
Capitol Publications
1300 N. 17th Street

Arlington, VA 22209
703/528-5400
Bi-monthly newsletter that reports on computer advances in education. Reports on teacher training, software purchasing, obsolescence, new products, research, legislation, state and local news, meetings and conventions.

Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672
Bimonthly journal that includes articles on the use of computers in cognitive retraining, software reviews, and printed source code to allow readers to program new applications.

MAINSTREAM, Magazine of the Able Disabled
Exploding Myths, Inc.
2973 Beech Street
San Diego, CA 92102
619/234-3138
Covers independent living and employment related technology. Also carries feature articles on individuals with various handicapping conditions.

BYTE
70 Main Street
Peterborough, NH 03458
603/924-9281
BYTE is a monthly magazine covering general computer applications. The magazine has occasional articles on computer applications for disabled individuals.

Education Update
Association for Retarded Citizens of Georgia
1851 Ram Runway #102
Colley Park, GA 30337
404/761-2745
Contains articles relevant to parents educating each other. Technological aids and assistive devices are frequently featured.

Rehabilitation Digest
Canadian Rehabilitation Council for the Disabled
One Yonge Street
Suite 2110
Toronto, Ontario Canada M5E 1E5
416/862-0340
Each issue contains the feature, "Let's Get Technical," highlighting technology and aids to daily living. Additionally, computer technology is a regular feature.

The Exceptional Children
Psy Ed Corporation
605 Commonwealth Avenue
Boston, MA 02215
617/536-8961
Covers technology and exceptional children as well as new technological developments. Devotes one issue each year strictly to technology.

Education of the Handicapped
Capitol Publications
1300 N. 17th Street
Arlington, VA 22209
703/528-5400
Bimonthly newsletter containing current information about federal, state, and local efforts to educate handicapped children. Covers new laws and regulations, court cases and funding.

Input/Output
669 Casleton Avenue
Staten Island, NY 10301
718/984-1526
This periodical is published by emotionally handicapped students in the New York City Public Schools. It serves as a clearinghouse for technology in Special Education.

Washington Apple Pi Journal
Washington Apple Pi
8227 Woodmont Avenue
Suite 201
Bethesda, MD 20814
301/654-8060
Feature reviews of microcomputer hardware and software. It also serves as a type of computer bulletin board for individuals wishing to meet and/or help other computer users.

Viewpoint
Center for Information Resources
University of Pennsylvania
4025 Chestnut Street, 3rd Floor-T7
Philadelphia, PA 19104-3054
215/898-8108
A publication designed to address the community of individuals interested in training and placement of handicapped persons in the area of data processing.

Paraplegia News
5201 N. 19th Avenue 111
Phoenix, AZ 85015
602/246-9426
Offers information on spinal cord injury issues to disabled individuals and to the professional community. Includes articles on accessibility, research, recreation, legislation, and new products.

Moving Forward
P.O. Box 1304
La Canada, CA 91011
818/952-1340
Features articles on various disabilities as well as regular items regarding technology and disabled people.

Personal Computer Opportunities for the Handicapped
P.O. Box 374
Spicer, MN 56288
612/796-5765

Accent on Living
Box 700
Bloomington, IL 61701
309/378-2961
Quarterly. Information for physically disabled individuals.

Link-and-GO
COPH Bulletin
COPH-2
2030 Irving Park Road
Chicago, IL 60618
312/477-1813
Periodicals dedicated to handicapped persons who use personal computers. Quarterly.

On-Line Today
CompuServe, Inc.
5000 Arlington Centre Blvd.
Columbus, OH 43220
This periodical informs subscribers to CompuServe's Handicapped User's Database about new technologies and services available on the database.

Bits and Pieces
Massachusetts Rehabilitation Commission Library
Room 331
20 Park Plaza
Boston, MA 02116
617/727-1140 (voice and TDD)
A bi-monthly newsletter and acquisitions list of the Massachusetts Rehabilitation Commission Library. The Library has a large collection of disability and rehabilitation information.

The Disability Rag
The Advocado Press, Inc.
Box 145
Louisville, KY 40205-54
502/459-5343
Deals with social change and political issues affecting the disability rights movement. Frequently contains articles regarding the relevance of technology and announcements about new technology.

ConnSENSE Bulletin
Connecticut Special Education Resource Center
Hartford Graduate Center
275 Windsor Street
Hartford, CT 06120
203/246-8514
Contains reviews of software as they apply to special needs students. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

Bright Futures
Easter Seal Children's Center
3161 Maple Drive, NE
Atlanta, GA 30305
404/261-6262
Offers advice for pre-school computing, including articles on successful software utilized both in therapy and the classroom. Also covers questions and answers derived from letters to the editor.

Awareness
NAPVI
P.O. Box 180806
Austin, TX 78718

InCider
CW Communications/Peterborough
P.O. Box 911
Farmingdale, NY 11737-9811
Monthly magazine that deals with the Apple II series of computers. Articles, reviews, including educational software.

Counterpoint
9618 Percussion Way
Vienna, VA 02180
703/281-3601
Quarterly newspaper sponsored by the National Association of State Directors of Special Education. Practices, research outcomes, trends and advancements in special education.

Disability News OnLine
257 Center Lane
Levittown, NY 11756

The Disabled Challenger
Kissick's Consultants, Inc.
1615 South Fourth
Apt. #M-3210
Minneapolis, MN 55454
Quarterly newsletter. Each issue features one disabled person and one nondisabled person with positive outlooks.

SENSUS
Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
Quarterly.

UpdatABLE
D:ATA Institute
4407 Eighth Street NE
Washington, DC 20017
Quarterly newsletter with Abledata current events, questions and answers, related information sources and user success stories. A component of the Abledata User's Group.

Bulletins of Science and Technology for the Handicapped
Free of charge.
American Association for the Advancement of Science
Office of Opportunities in Science
1776 Massachusetts Ave. N.W.
Washington, DC 20005
202/467-4400
Quarterly. Includes announcements of products, meetings, scholarships, grants, resource lists, and summaries of current research.

The Catalyst
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997
Bimonthly; Newsletter of the Western Center for Microcomputers in Special Education, Inc.; Information on products, research, and applications.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
Bimonthly. Information on the use of computers in special education and rehabilitation, including software and hardware reviews, user comments, articles, and suggestions.

Computer Disability News
Free of charge.
National Easter Seal Society
2023 W. Ogden Ave.
Chicago, IL 60612
312/243-8400
Quarterly; Announcements regarding products, software, meetings, grants; interviews with leaders in the field.

COPH Bulletin
2030 Irving Park Road
Chicago, IL 60618
Committee on Personal Computers and the Handicapped; Quarterly.

Cue Newsletter
P.O. Box 18547
San Jose, CA 95158
Bimonthly; Special education news and information on educational software.

Current D:ATA
D:ATA Institute
The Catholic University of America
4407 8th St. N.E.
San Jose, CA 95158

FDLRS-South
Exceptional Technology
9220 SW 52 Terrace
Miami, FL 33615
305/274-3501

Micro Scope
HCCCP
7938 Chestnut
Kansas City, MO 64132
816/363-4606
Quarterly newsletter of the Handicapped Children's Computer Cooperative Project. Includes software review and application tips.

Network
No charge.
2520 Broadway Drive
Minneapolis, MN 55110
Bimonthly Instructional newsletter listing materials available from the Minnesota Educational Computing Consortium.

Re:Able
Re:Able Publishing
P.O. Box 381
Bellflower, CA 90706
Bimonthly; Provides announcements and articles on successful computer applications.

Rehabilitation Technology Review
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington, DC 20036
202/857-1199
"Left to Our Own Devices"

The Sloane Report
9220 SW 52nd Terrace
Miami, FL 33165
305/251-2199
Bimonthly. Available on cassette. Information on the computer industry, software and hardware reviews, consumer tips, and product information.

Teaching Research Newsletter
Special Education Department
Monmouth, OR 97361
503/838-1220

Trade-a-Comp, Trade-a-Disk
P.O. Box 671
Bethel Park, PA 15102
Monthly; For those wanting to buy, sell, or trade new or used computer hardware and software.

VME (Volunteers for Medical Engineering, Inc.)
11728 Mays Chapel Road
Lutherville, MD 21093
301/252-7834

Classroom Computer News
International Educations, Inc.
51 Spring Street
Watertown, MA 02172

The Computing Teacher
$21.50/yr.
135 Education
1787 Agate Street
University of Oregon
Eugene, OR 97403
503/686-4414
9 issues/yr (August-June). The journal of ICCE (International Council of Computers in Education). Articles, columns of various interest areas (logo, math, language arts, sciences) software reviews, new products, calendars/updates.

Educational Dealer
Pitman Learning
19 Davis Drive
Belmont, CA 94002

Educational Technology
Educational Technology Publications
720 Palisade Avenue
Englewood Cliffs, NJ 07632
201/871-4007
Monthly. Articles dealing with the application of computers for education, literature and product reviews, and abstracts of documents from the ERIC Clearinghouse of Information Resources.

Electronic Learning
Scholastic, Inc.
P.O. Box 645
Lyndhurst, NJ 07071

Family Computing
Scholastic, Inc.
351 Garver Road
P.O. Box 2700
Monroe, OH 45050-9998

Journal of Educational Technology Systems
Baywood Publishing Company, Inc.
120 Marine Street
Farmingdale, WY 11735

Journal of Special Education Technology
Managing Editor
Exceptional Child Center
UMC - 68
Utah State University
Logan, Utah 84322
Quarterly; Information, research, and reports of innovative practices applicable to educational technology.

Personal Computing
Hayden Publishing Company
10 Mulholland Drive
Hasbrouck Heights, NJ 07604
School Tech News
$32.95/yr.

Education News Service
P.O. Box 1789
Carmichael, CA 95609
916/483-6159
916/488-4623
7 issues/yr, Sept-May; yearly index. Articles, news briefs, new products and resources, software evaluations.

Computer Review-For Apple Users in Speech and Hearing
$24.95/yr.
P.O. Box 1139
State College, PA 16804
Monthly newsletter. Tips and tricks, software evaluation, articles, question-and-answer column.

Computers and the GT Student
Creative Computer Enterprises
3002 Roanoke Circle
LaFayette, IN 47905
Quarterly; software reviews, articles, Q & A column, classroom management tips and hints.

SIG Bulletin
135 Education
University of Oregon
Eugene, OR 97403
Quarterly; is a forum for ICCE special interest groups to exchange information. One SIG is the SIGSPED - for Special Education.

Computers and Complex Thinking Newsletter
Janice Patterson
National Center in Effective Secondary Schools
School of Education, University of Wisconsin-Madison
1025 West Johnson Street
Madison, WI 53706
608/263-4200

Software in the Classroom, A Newsletter for Social Studies Teachers
John Ruggiero
Free
Focus Media, Inc.
839 Stewart Avenue
P.O. Box 865
Garden City, NY 11530
800/645-8989
516/794-8900 (NY)
Quarterly.

Update
ERIC
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660
Semi-annual

Rehab Brief
PSI International
200 Little Falls Street
Suite 104
Falls Church, VA 22046
Monthly newsletter each focusing on a specific topic

The Compu-Tech Connection
Research and Training Center
Stout Vocational Rehabilitation
School of Education & Human Services
University of Wisconsin-Stout
Menomonie, WI 54751
Quarterly newsletter; Product and resource descriptions.

Disabled USA
President's Committee on Employment of the Handicapped
1111 20th Street NW
Washington, DC 20210
202/653-5044

Heath
Closer Look Resource Center
Box 1492
Washington, DC 20013
202/833-4707

International Rehabilitation Review
432 Park Avenue South
New York, NY 10016
212/869-0460
Quarterly.

The Advocate
NSAC
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
202/783-0125
Contains current information relating microcomputers to the teaching of autistic children. Also lists information concerning conferences relating to computers and autism.

Journal of Learning Disability
5613 W. Cermak Road
Cicero, IL 60650
Includes section on computers in the schools.

Sensory Aids Foundation Newsletter
399 Sherman Ave.
Suite 12
Palo Alto, CA 94302
Bimonthly; Newsletter for deaf, blind, and visually impaired, available on cassette.

Augmentative Communication

Current Expressions
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
Quarterly; Product information, articles on system users.

Augmentative and Alternative Communication
Williams and Wilkins
428 E. Preston Street
Baltimore, MD 21202
Journal focuses on non-verbal communication, integration theory, technology, systems development, assessment, treatment and education of alternative systems users.

ALS Association Newsletter
ALS Association
Box 5951
Sherman Oaks, CA 91403
818/990-2151
Contains summaries of available computer-assisted communication appliances and devices. New developments in the computer-assisted communication field are covered in each issue.

Communi-Collegist
Callier Center for Communication Disorders
1966 Inwood Road
University of Texas
Dallas, TX 75225
214/783-3000
Provides current information on augmentative communication materials, equipment, and literature.

The Many Faces of Funding
Phonic Ear, Inc.
250 Camino Alto
Mill Valley, CA 94941
(415) 383-4000
Monthly newsletter covering various aspects and issues concerning funding for assistive devices. These newsletters also serve as appendixes to the book by the same name, also published by Phonic Ear.

Communicating Together
Blissymbolics Communication Institute
350 Rumsey Road
Toronto Ontario, Canada M4G 1R8
416/424-3806
Communicating Together is a quarterly journal published by the Blissymbolics Communication Institute. Application of Blissymbols and information useful in implementing all augmentative communication systems are provided.

Assistive Devices News
Pennsylvania Assistive Device Center
Elizabethtown Hospital and Rehabilitation Center
Elizabethtown, PA 17022
717/367-1161
Monthly; Provides product information, announcements, and conference reports. Focuses on augmentative communication, and includes information on computer access peripherals.)

Communication Outlook
Circulation Manager
Michigan State University
405 Computer Center
East Lansing, MI 48824-104
517/353-0870
Quarterly; Focuses exclusively on communication aids and techniques.

Developmental Equipment Newsletter
981 Winnetka Terrace
Lake Zurich, IL 60047
312/438-3476
Product updates on augmentative communication and computer access devices; articles sharing useful equipment applications.

Echo On
Phonic Ear, Inc.
250 Camino Alto
Mill Valley, CA 94941
(415) 383-4000
Information and human interest stories on augmentative communication, including the communication aids manufactured by Phonic Ear; also a "voice pals" column, similar to pen pals. Published semi-annually.

Blindness and Vision Impairments

See Information Resources on Access to Computers for Blind and Visually Impaired.

Deafness and Hearing Impairments

See Information Resources for the Deaf

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
September, 1986

Optical Character Recognition Scanners

OCR scanners allow computer users to enter printed documents into the computer without retyping. The traditional application of scanners has been to prevent rekeying documents such as insurance forms, legal materials, medical charts, or books. They are also of great use to blind computer users as an alternate input device, allowing the person to "read" some printed material. However, they have been unreliable (even 99% reliability means 15 errors/page), inflexible, bulky, and high priced, costing hundreds of thousands of dollars. More recently, several companies have offered products in the $10,000-$50,0000 range.

New OCR scanners are now being introduced at lower prices. An overview of developments in OCR scanning technology can be found in the August, 1986 issue of PC World ("Scanners: Gaining Recognition," Bill Crider). Some of the devices below are self-contained systems; others must be connected to a personal computer to be operated. No recommendations or endorsements are implied by inclusion on this list. Contact each company for more specific and up-to-date information.

IX-12
List price under $2,000.00 with OCR software and interface board
IX-8
List price around $1,000.00 with interface board
Canon U.S.A., Inc.
1 Canon Plaza
Lake Success, NY 11042
516/488-6700 (systems division)

Datacopy Model 730
List price $3,950.00 (w/o OCR software)
JetReader
List price $2,950.00 (with OCR software)
Datacopy Corporation
1215 Terra Bella Avenue
Mountain View, CA 94043
415/965-7900

PC-Scan
List price $1,955.00; TextPac Software $595.00
DEST Corporation
1201 Cadillac Court
Milpiter, CA 95035
408/946-7100

PS-2000
List price $2,495.00
Electronic Information Technology, Inc.
373 Route 46 West
Fairfield, NJ 07006
201/227-1447

Kurzweil Reading Machine
List Price $19,800.00
Kurzweil Computer Products, Inc.
185 Albany Street
Cambridge, MA 02139
617/864-4700
The Kurzweil Reader is a complete system for text reading: it recognizes characters from printed text and translates the text into synthesized speech output.

PC Reader
List price $2,995.00
Ready Reader
List Price $11,500.00
Maryland Computer Services, Inc.
3132 Southeast Jay Street
Stewart, FL 32497
305/288-2080

MS-300A
List price $3,990.00 (with Eyestar 200)
Smart Reader
List price $1,795.00
Microtek Lab, Inc.
16901 S. Western Avenue
Gardena, CA 90247
213/321-2121

Words-to-Voice
List Price $6,500.00 - $9,000.00
Totec Company, LTD
19151 Parthenia Street
Northridge, CA 91324
703/486-2724
A complete system with voice output. Consists of OCR device, personal computer, and software for computer.

Other companies working on low-cost sheet scanners costing $1,500-$2,000:
Sharp Electronics Corporation
Ricoh Corporation

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Portable Battery-Operated Printers

This list contains information on portable, battery-operable printers that could be used with communication aids with RS232 output. No recommendations or endorsements are implied by inclusion on this list. Contact individual manufacturers for current price and other information.

Axonix ThinPrint 80
$279.00
Axonix Corporation
417 Wakara Way
Salt Lake City, UT 84108
800/821-7093
80 or 136 columns/line; 4 lbs; rechargeable battery and AC adaptor; serial or parallel interface; thermal printing.

Epson HS-80 LetterJet Portable Printer
Epson America, Inc.
23610 Telo Street
Torrance, CA 90505
213/534-4234
Lightweight; rechargeable battery and 6 volt adaptor to allow printing during recharging; variety of print styles and features; ink jet printing; parallel interface.

Laptopp On-the-Go Portable Printer
$149.95
Laptopp Systems
515 Calle San Pablo
Department 1
Camarillo, CA 93010
800/LAP-TOPP
805/482-9699 (in California)
Less than 3 lbs. (with batteries); goes 2 hours on battery power; 4 character types; thermal printing; parallel interface.

Hush-80 Printer
Ergo Systems, Inc.
303-3 Convention Way
Redwood City, CA 94063
800/222-HUSH
415/363-5966
25 oz.; 80-column; rechargeable battery option; thermal printing; parallel, RS232 or Commodore interface.

NEC PC-8221A
Contact for more information:
ZYGO Industries, Inc.
P.O. Box 1008
Portland, OR 97207
503/297-1724
Small, 40-column printer (4" x 6")

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Portable Typewriters

This is a listing of commercially manufactured portable typewriters (weighing less than 10 pounds). No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Royal Alpha 100
$199.99
No LCD; 32-character recall; standard typing paper, single sheets only; weight 10 lbs.; 1-year parts warranty only

Sharp PA 1000
$350.00
8.7K w/expansion (5 1/2 pages); uses thermal or bond paper, single sheets only; weight 8.4 lbs.; 26 abbreviations. 90-day parts and labor warranty, factory

Silver Reed RX-300
$795.00
Prints 16 characters/second; types in pica, elite, mini; 8K memory; can plug into any computer and act as a letter quality printer. 6-month warranty.

Silver Reed EXD-10
$195.00
15-character line; minimal memory; weight 5 lbs.; uses single sheets of thermal or bond paper; dot matrix print. 6 month warranty

Sears #5394
$119.00, $219.00
Single page memory; weight 4 lbs.; uses single sheets of bond or thermal paper; made by Brother. 1-year parts and labor warranty.

Brother EP-44
$200.00
16-character LCD; 3.7K memory (1 1/2 pages); uses single sheets of bond or thermal paper; roll attachment included. 90-day labor warranty, 1-year parts warranty; some parts guaranteed longer.

Brother EP-22
$129.00; $99.00
16-character LCD; 2K memory; uses single sheets of bond or thermal paper; roll attachments are available. 90-day labor warranty, 1-year parts warranty; some parts guaranteed longer.

Canon Typestar 5
$225.00
15 character display; one-line memory, 30-character key buffer; automatic return, underlining; uses standard Xerox or similar paper; no roll attachments; 90-day factory warranty.

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Trace Quick Sheets
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Software Resources

This list contains two sections, with information on SOFTWARE DIRECTORIES and SOFTWARE INFORMATION SERVICES. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Software Directories and Guides

Special Times
Free
COL
Dept. C
1696 Massachusetts Avenue
Cambridge, MA 02138
800/637-0047
Free catalog of software selected specifically for children with learning disabilities. Over 100 programs, by subject area.

The Educational Software Catalog
Computer Options
85 Market Street
Poughkeepsie, NY 12601
914/471-2765
100 pages; current educational software for Apple, IBM, and Commodore, by subject area; 500+ titles.

Public Domain Software on File, Apple II Series Collection
Facts on File Publications
460 Park Avenue South
New York, NY 10016
212/683-2244
Currently gathering and evaluating public domain software for IBM, Macintosh, and CP/M.

Software Directory of Free Educational Material and Special Education Software
$30.00
Education Associates
P.O. Box 35221
Phoenix, AZ 85069

Special Apple Speech-Large Print Resource Lists
$10.00
Access Unlimited Speech Enterprises
P.O. Box 7986
Houston, TX 77270
713/461-1666

The Educational Software Catalog
Soft-Kat Inc.
Crestwood Co.
P.O. Box 04606, Dept. SJK
Milwaukee, WI 53204
414/351-0311
Includes chart showing curriculum goals/skills and grade levels, and which programs focus on these skills.

Software Recommended for Special Populations
Dr. Eydie Sloane
FDLRS-South
9220 SW 52nd Terrace
Miami, FL 33165
305/274-3501
Alphabetically lists programs in major curriculum areas (language arts, math, social studies, science, career/vocational education, speech/language, survival/independent living skills, leisure activities, word processing/utilities, computer science/technology and recommends for (1) hearing impaired, vision impaired, motor impaired, mentally retarded or learning disabled and (2) ability/interest level - preschool, elementary, junior, senior and adult.

Software Resources

The Specialware Directory: A Guide to Software For Special Education
$19.50
The Oryx Press
2214 N. Central at Encanto
Suite 104
Phoenix, AZ 85044
Comprehensive reference of programs from more than 100 companies. Programs are indexed by curriculum area (further divided into specific skill areas), exceptionality, hardware, use of special peripherals for input and output, level (early childhood, primary, intermediate jr. high, sr. high, adult basic education, professional). Programs for special education admin. are included (authoring systems, learner evaluation and assessment, records maintenance/general administration and management, teacher utilities).

The 1986 Educational Software Preview Guide
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403-1923
503/686-4414
Lists over 400 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Only the Best: The Discriminating Software Guide
For Preschool-Grade 12
1986 edition
Education News Service (see Publications section)
P.O. Box 1789
Carmichael, CA 95609
916/483-6159
916/488-4623
An annual report by the editors of School Tech News. Descriptions of 168 new programs that received highest agreement of top quality from 22 evaluation services, and a listing of 54 runners-up programs and the 113 highest rated programs from 1985.

Technology in Curriculum (TIC) Project
Technology Unit
California Dept. of Education
721 Capitol Mall
Sacramento, CA 95814
916/324-1961
4 resource guides (math, lang. arts, science, history/social sci.) which explain how 100 video and 500 software program fit into the curriculum with specified learning objectives. 5-10 detailed lesson plans using programs for different grades in each subject area. Data related software (Apple II) merges information in the resource guides electronically. This is expected to be a model for other states; each public school in Calif. received a copy. A limited number are available for other educators.

Compilation of Clinical Software For Aphasia Rehabilitation and Cognitive Retraining
Clinical 2850 Windemere
Birmingham, MI 48008

Computer Use in Social Services
Network Software Clearinghouse
The Graduate School of Social Work
University of Denver
Denver, CO 80208-0274
303/871/2915
Software for use in human services.

Survey of Existing Courseware
Education Turnkey Systems, Inc.
256 N. Washington Street
Falls Church, VA 22046
703/536-2310

The Special Directory
LINC Resources
3857 North High Street
Columbus, OH 43214
614/263-2123

Family Guide to Educational Software
L.F. Garlinghouse, Inc.
320 SW 33rd Street
P.O. Box 299
Topeka, KS 66601-0299
913/267-2490

Educational Software for the School
American Educational Computer
2450 Embarcadero Way
Palo Alto, CA 94303

Directory of Educational Computing Resources
Classroom Computer Learning
5616 West Carmel Street
Cicero, IL 60650

The Yellow Book: A Parent's Guide to Teacher Tested Educational Software
1985
Garland Publishing, Inc.
136 Madison Avenue
New York, NY 10016

Microgram
Educational Products Information Exchange
P.O. Box 839
Water Mill, NY 11976
516/283-4922

Software Resources

IBM Special Education Resources Guide to Adaptive Devices, Software, and Services for Special Education, Vocational Rehabilitation, and Employers
National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
404/238-3206
800/426-2133

The Rehab/Education Technology Resourcebook Series:
Resourcebook 3, Software and Hardware
1986
Trace Research and Development Center
1500 Highland Avenue
S-151 Waisman
Madison, WI 53705
608/262-6966

Curriculum Software Group
P.O. Box 189
Selma, OR 97538
503/597-2424
Software for special education.

Custom Software For Use in Rehabilitation Facilities
The Sheltered Workshop, Inc.
P.O. Box 1206
208 N. 4th Street
West Memphis, AR 72301
501/732-2750
Programs include: Individual Program Planning, Job/Client Matching, Piece Rate Payroll, Contribution Recording System, Leave Record, and Client Data Management.

Courseware in Special Education
School Book Branch
Alberta Education
10410 - 121 Street
Edmonton, Alberta, Canada T5N 1L2
403/427-2767
Available on diskette, usable with DB Master program.

Personal Computer Software
IBM National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
404/238-3206
800/426-2133

Special Education Software Review
Dea Pfeiffer (editor)
3807 Northwood Avenue
Peoria, IL 61614
309/685-8262

The Digest of Software Reviews: Education
301 West Mesa
Fresno, CA 93704
209/431-8300
1000+ review extracts from 150 journals and magazines; monthly issues and circulation indexes by title, subject, publisher and computer (Ap, Ct, Com, IBM, DEC, TRS-80)

Educational Software
First Software Corporation
available at computer dealers
A quarterly catalog of bestselling educational products for Apple, IBM and Commander 64 computers.

Software Information Services

Connecticut Special Education Network/Software Evaluation
ConnSENSE
Box U-64
Glenbrook Road
University of Connecticut
Storrs, CT 06268
203/486-4034
Concerned with evaluating courseware for disabled students. Has telecommunications system for special education administrators, and a telecommunication project for disabled students.

Special Education Software Center
Build B, Room S312
333 Ravenswood Avenue
Menlo Park, CA 94025
For Technical Assistance: 800/223-2711
For Technical Assistance (City): 800/435-7639
For Software Information: 800/327-5892
Free access to the Center's software database and information services. Can retrieve by any or all of these categories: curriculum or skill term; academic/ready or interest level; handicapping condition; type of computer, peripherals required; primary users; type of instruction. Center staff mail out a printout of all references found, or can send electronically to SpecialNet, CompuServe, or HelpNet (see "Networks"). An info sheet listing hands-on evaluation of products available. Funded by US Dept. of Education

Disability, Electronic Aids Reference Service (DEARS)
Miss Helen M. Townley
117, Wickham Chase
W. Wickham Kent, ENGLAND BR4 OBQ
01-777 7560

Trace Center

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Trace Quick Sheets
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Speech Input Systems

The systems listed below are designed to allow spoken utterances (letters, words, phrases, etc.) to serve as input to a computer or other electronic device such as a telephone. These systems operate by voice recognition. The user "trains" the system to recognize certain utterances by speaking them into a microphone connected to the system. Once the system is trained, it is possible to program the system to associate each recognized utterance with a particular character or string of characters. When the system "hears" a trained utterance, it sends the programmed characters to the computer as input. Most companies provide software to help with training and programming the system.

Some systems can only recognize discrete utterances; others do not require unnatural pauses between words (the latter are known as "continuous" speech recognizers). In either case, the maximum length of a single recognized word or phrase possible with today's technology is about two seconds; for some systems the maximum is less. There is no such thing as a system that can interpolate recognition of unknown words: all utterances to be recognized must first be individually trained.

Some specifications that vary from system to system are: maximum length of utterance; number of trained utterances in a single vocabulary; number of vocabularies that can be stored in the system; whether vocabularies can be stored on disk; whether the system can recognize more than one speaker; the percent recognition accuracy; the amount of background noise the system can tolerate; the amount of the computer's memory that the system consumes; and the type and amount of software that is available for vocabulary training and management.

Manufacturer	Product	Compatible With	Cost
ACS Telecom 25825 Eshelman Avenue Lomita, CA 90717 (213) 325-3055	ACS Medicom Computer System (complete turnkey system including other input types)	IBM-PC	$5,000.00-$19,000.00
Command Telephone System 5600 North Antioch Road Kansas City, MO 64119 (816) 453-2010	Commmand Telephone System	Telephone (included)	Contact manufacturer
Covox, Inc. 675-D Conger Street Eugene, OR 97402 (503) 342-1271	Voice Master	Apple II family, Commodore 128, Commodore 64, Atari	$89.95

Dragon Systems, Inc. 55 Chapel Street Newton, MA 02158 (617) 965-5200	DART-5000	IBM-PC	$5,995.00
	Voicescribe-1000	IBM-PC XT and AT	$995.00
	Voicescribe 20000	IBM-PC XT and AT	Contact manufacturer
IBM Entry System Division 11400 Burnett Road Austin, TX 78758 (512) 838-8308	Voice Communications Option	IBM-PC XT and AT	$1,295.00
ITT Information Systems 2350 Qume Drive San Jose, CA 95131 (408) 945-8950	Voice Communications System	ITT XTRA	$1,350.00
Interstate Voice Products 1849 West Sequoia Avenue Orange, CA 92668 (714) 937-9010	VocaLink Cellular Module	Standard cellular telephones	$395.00
	VocaLink CSRB-LC	IBM-PC	$1,250.00
	VocaLink Series 4000	DEC, IBM-PC	$5,200.00
	VocaLink SYS300	Various terminals	$1,495.00
	VocaLink VRT300	DEC VT100, C. Itoh CIT 101, Plessy PT 100-B terminals	$1,010.00
Key Tronic P.O. Box 14687 Spokane, WA 99214 (509) 928-8000	Speech Recognition Keyboard	IBM-PC	$995.00
Kurzweil Applied Intelligences 411 Waverly Oaks Waltham, MA 02154 (617) 893-5151	Kurzweil Voicesystem	Various Computers	$6,500.00
Microphonics Technology Corporation 25 37th Street Northeast Suite B Auburn, WA 98002 (800) 325-9206	Pronounce	IBM-PC	$695.00

NEC America, Inc. 8 Old Sod Farm Road Melville, NY 11747 (516) 753-7361	DP-200 Connected Speech Recognizer	Various computers	$7,500.00
	SAR-10 Voice Plus	IBM-PC	$599.00
	SR-100 Voice Input Terminal	Various computers	$2,000.00
Scott Instruments 1111 Willow Drive Denton, TX 76201 (817) 387-9514	Coretechs VET3	Various Computers	$8,995.00
Speech Products, Inc. 32 Union Square East New York, NY 10003 (212) 777-2350	Butler-in-a-Box (voice activated environmental control)	IBM-PC optional	$1,195.00
Speech Systems (of Illinois) 715 West Main Street Batavia, IL 60510 (312) 879-6880	Ears	Tandy Color Computer	$99.95
SRI Distribution, Inc. 2691 Dow Avenue Suite F Tustin, CA 92680 (714) 544-9941	Voice Systems Package (also voice output)	IBM-PC	$11,350.00
Texas Instruments, Inc. Attention: Parts P.O. Box 53 Lubbock, TX 79408 (800) 842-2737	TI-Speech	IBM-PC	$1,150.00
Voice Connection 17835 Skypark Circle Suite C Irvine, CA 92714 (714) 261-2366	IntroVoice I and II	Apple II family	$795.00- $995.00
	IntroVoice III	IBM-PC	$995.00
	IntroVoice V	IBM-PC	$495.00
Voice Recognition Systems 550 Battery Street Suite 1716 San Francisco, CA 94111 (415) 788-2007	Voice Driver	Apple II family, IBM-PC	$995.00- $1,395.00

Votan 4487 Technology Drive Fremont, CA 94538 (415) 490-7600	Voice Card	IBM-PC	$1,200.00- $2,700.00
	VTR 6050 Series II	Various computers	$3,500.00- $4,800.00
Words+, Inc. 1125 Stewart Court Suite D Sunnyvale, CA 94086 (408) 730-9588	Voice Command System	IBM-PC	$995.00

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Trace Quick Sheets
September, 1986

Speech Output Computer Programs for Communication

The programs listed below allow the user to communicate vocally by selecting symbols, letters, words or phrases, which the program then "speaks" using a speech synthesizer. They accomplish basically the same functions as a portable stand-alone VOCA (Voice Output Communication Aid), but require a computer and a speech synthesizer. However, unless the computer used is portable or the user is immobile, these systems are severely limited as aids for general communication.

Some of these programs are designed primarily for communication training, and do not offer the size and flexibility of vocabulary that the typical VOCA provides. Some are designed for teaching techniques (such as scanning), for evaluation, for teaching vocabulary, or for communication by a person whose vocabulary is necessarily limited. A brief description of the program is included, explaining where possible the method of selection, the symbol system, and the size of potential vocabulary that the program offers. "Auditory presentation" refers to a program which presents choices sequentially using the synthesized voice. (This method of presentation makes scanning possible for those who cannot see a display.)

Inclusion on this list does not constitute an endorsement, and the accuracy of prices is not guaranteed. Always contact the manufacturer before placing any order. Switch-operated scanning programs will require some sort of switch interface.

Manufacturer	Program	Computer (Speech Synthesizer)	Description	Cost
Adaptive Peripherals 4529 Bagley Avenue North Seattle, WA 98103 (206) 633-2610	Talking Word Board	Apple IIe, II+ (Echo)	Program is used with Unicorn Keyboard and Adaptive Firmware Card to allow the Unicorn Board to be used as a "talking communication board." Direct selection. Symbols and output user-specifiable.	Compli-mentary
Communication Enhancement Clinic Children's Hospital Medical Center 300 Longwood Avenue Boston, MA 02115 (617) 735-6466	Message Maker	Apple IIe, II+ (Echo), Apple IIc (Cricket)	User-definable vocabulary of up to 20,000 characters total. Individual messages are composed from word and phrase lists, and can be spoken and printed. Keyboard selection or single-switch scanning.	$50.00-$75.00

Communication Enhancement Clinic (cont'd)	Scan and Speak	Apple II family (Echo II or +, Votrax Type-'N-Talk, Votrax PSS)	Single switch is used to select from set of user-definable phrases, which are then spoken by the synthesizer or printed. Scanning selection.	$75.00
	Touch & Speak	Apple II family (Echo, Cricket, Votrax PSS, DECtalk)	Direct selection on standard, expanded or membrane keyboard. Up to 600 message locations are user-programmable. Messages can also be spelled out. Some additonal hardware may be required.	$75.00
	Type & Speak	Apple II family (Echo, Cricket, Votrax PSS, DECtalk)	Messages are typed in letter-by-letter, spoken once composed, and then erased by the next message. Direct selection of letters on keyboard, or an optional scanning array.	$50.00
Computerized Enabling Systems 409 South Whitehall Avenue Allentown, PA 18104 (215) 820-4065	Computerized Enabling System	Commodore 64	In addition to communication, the program includes capabilities for phone control, environmental control, word processing, and computer programming. All selections can be made and all data entered by scanning with single switch or joystick.	$1,500-$4,400
Computers to Help People, Inc. 1221 West Johnson Street Madison, WI 53719 (608) 257-5917, TDD 257-1270	Sentence-Scan	Apple II family (contact CHPI)	Up to 20 lists of words can be stored, displayed in large print on screen. Selection is made by keyboard, or single or dual switch scanning. Messages can be composed, printed, spoken.	$25.00
	Talking Wheelchair	Atari (contact CHPI)	Package includes program and plans for complete wheelchair-based communication aid. All selections made with single keystrokes. Estimated cost of system $1,400.	$15.00

Computers to Help People (cont'd)	Write	Apple II (contact CHPI)	Educational program in which the student builds up sentences from words displayed sequentially on the screen. Output can be speech or print.	$25.00
Developmental Equipment 981 Winnetka Terrace Lake Zurich, IL 60047 (312) 438-3476	Audio Scan	Apple II family (Echo)	Selection by scanning with a single switch. Auditory presentation.	$99.50
	Touch Com	Apple II family (Echo)	Designed to train a person who is going to use an electronic comm. aid. User presses areas of the PowerPad (not incl. in price of program), and words or phrases are spoken through the speech synthesizer.	$128.00
Dunamis, Inc. 2856 Buford Highway Duluth, GA 30136 (404) 476-4934	SimpleCom I: Yes/No Communication	Apple II family (Echo)	Program designed to teach the communication of daily needs and other early communication skills. Requires PowerPad membrane keyboard.	$49.95
	SimpleCom II: Needs/Wants Communication	Apple II family (Echo)	The user selects symbols for basic needs by pressing areas on the PowerPad (not incl. with program). Program contains list of 10 basic needs; others can be added.	$49.95
J. Jordan & Associates 1127 Oxford Court Neenah, WI 54456 (414) 725-9046	Control without Keyboards	Apple II+, IIe (Echo)	Allows the PowerPad (not incl.) to be used as a direct-selection communication aid. Various custom layouts can be created and stored. Output can be speech or print.	
Laureate Learning Systems, Inc. 1 Mill Street Burlington, VT 05401 (802) 652-4755	Fast Access Scan Talker	Apple II family (Echo, Cricket)	Allows the Apple to be used as a scanning communication aid. Vocabularies can be customized. Used with Speak Up, another Laureate program.	$100.00

Laureate Learning Systems (cont'd)	Speak Up	Apple II family (Echo, Cricket)	Allows the Apple to be used as a scanning communication aid. Preprogrammed and customized words may be used. The basic form of the program, for which Fast Access Scan Talker is an enhancement.	$95.00
Rehabilitation Institute of Chicago Alan J. Brown Center 3455 East Superior Street Chicago, IL 60611 (312) 908-2556	RIC Easy Talker	Apple II (Votrax PSS)	User creates messages by selecting from alphanumeric or word/phrase menus via scanning. Auditory presentation of choices. Vocabulary can be customized.	$135.00
Rushakoff, G.E. Clinical Microcomputer Laboratory Box 3W, Department of Speech New Mexico State University Las Cruces, NM 88003 (505) 646-2801	Talk II	Apple II family (Echo)	User selects from word, phrase and sentence menus by scanning. Vocabulary can be customized by the user. Printed or speech output.	$90.00
Schneier Communication Unit Cerebral Palsy Center 1603 Court Street Syracuse, NY 13208 (315) 455-7591	Magic Cymbals	Apple II family (Echo, Cricket)	User selects from sets of symbols by scanning with single switch. Words for the symbols are spoken by the synthesizer.	$125.00
	Quick Talk	Apple II family (Echo, Cricket, Votrax PSS and Type-'N-Talk, Intex-Talker)	Allows Apple to function as direct selection communication aid. Custom vocabulary is recalled by three-digit number codes. Phone control possible with modem.	$45.00
	Say It	Apple II family (Echo, Cricket, Votrax PSS and Type-'N-Talk, Intex-Talker)	Allows Apple to be used as a scanning communication aid. Auditory scanning of choices in lower tone of voice. Vocabulary can be customized from the keyboard.	$40.00
Soft Cole 1804 Mississippi Lawrence, KS 66044 (913) 842-6085	I Can Talk	Apple II (Echo, Cricket)	16-square grid appears on screen, the user selects words, phrases, or symbols by scanning. Teaching option requires user to match target phrases.	$74.95

Trace Center S-151 Waisman Center 1500 Highland Avenue Madison, WI 53705 (608) 262-6966	Talking BlissApple	Apple II+, IIe (Votrax PSS or Type-'N-Talk)	Using single switch, keyboard or certain communication aids, the user can select, display, speak, and print Bliss symbols and corresponding messages.	$37.10
Words+, Inc. 1125 Stewart Court Suite D Sunnyvale, CA 94086 (408) 730-9588	Multi-Scan	Apple II family, IBM-PC and PCjr (Votrax PSS)	An instructor places a transparent overlay with symbols over the screen, which displays a scanning grid. Vocabulary is programmable. Single switch scanning.	$80.00
	Equalizer	IBM-PC and portables (Voice software; no hardware required	Program provides scanning menus of words and phrases; the user can select with a switch. Also word processing, games, and drawing.	$3,995.00 and up with computer
	Living Center	IBM-PC, Apple IIe and IIc (Votrax PSS)	User selects letters, words, phrases from on-screen menus by single-switch scanning. IBM version includes word processing.	$695.00-$995.00 without computer

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Trace Quick Sheets
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Speech Synthesizers

Below is a list of commercially available speech synthesizers. Speech synthesizers produce artificial speech based upon signals sent to them by a computer. Most offer a "text-to-speech" program as well: a program that automatically converts words in a computer text file to their correct English pronunciations, based upon programmed phonetic rules.

Some are internal circuit cards which fit into expansion slots in the computer; some are external units that connect to some input/output port. Some are compatible with only one particular computer; others can be connected via standard interfaces such as RS-232 serial. Those listed as "various" in the computer column are of this latter type. Be sure to inquire of the manufacturer whether the synthesizer will work with the particular computer you want to use it with. Other useful inquiries to make are:

1) Is software available which is suited to your purposes and compatible with the synthesizer?
2) How high quality do you want the speech to be? The more human-sounding speech synthesizers are also often larger, more expensive, and consume more power. You may consider requesting a demonstration of the synthesizer (keeping in mind that the quality of sound transmitted over phone lines is fairly low).
3) How many voices does the synthesizer offer, and how many do you need? Many synthesizers offer several voices, each with different characteristics such as different pitches. These are frequently designated as "male," "female," "child," etc.

Inclusion on this list is not intended as an endorsement, and the accuracy of the prices is not guaranteed. Contact the manufacturer before placing any order.

Manufacturer	Product	Computer	Cost
Artic Technologies 2234 Star Court Auburn Heights, MI 48057 (313) 435-4222	SynPhonix 100	Apple II family	$155.00
	SynPhonix 200	IBM-PC, XT, AT	$225.00
	SynPhonix jr	IBM-PCjr	$175.00
Digital Equipment Corporation Terminals Business Unit 129 Parker Street Maynard, MA 01754 (603) 884-8991	DECtalk	Various	$4,000.00

First Byte, Inc. 2845 Temple Avenue Long Beach, CA 90806 (213) 595-7006	SmoothTalker	Apple Macintosh	$99.95
Intex Micro Systems Corporation 725 South Adams Road Suite L8 Birmingham, MI 48011 (313) 540-7601	Intex-Talker	Various	$345.00
Josten's Learning Systems 800 East Business Center Drive Mt. Prospect, IL 60056 (312) 296-0510	Ufonic Voice System	Apple II family	$350.00 - $495.00
RC Systems, Inc. 121 West Winesap Road Bothell, WA 98012 (206) 672-6909	Slotbuster	Apple II, II+, IIe	$179.95 - $229.95
Speech Plus, Inc. 461 North Bernardo Avenue Mountain View, CA 94043 (415) 964-7023	CallText 5000	IBM-PC	$3,225.00
	CallText 5050	Various	$3,900.00
Speech Systems (of Illinois) 715 West Main Street Batavia, IL 60510 (312) 879-6880	Super Voice	Tandy Color Computer	$79.95
Street Electronics 1140 Mark Avenue Carpenteria, CA 93013 (805) 684-4593	Cricket	Apple IIc	$149.95
	Echo +	Apple II+, IIe	$149.00
	Echo GP	Various	$249.95
	Echo PC^2	IBM-PC	$149.95
Sweet Micro Systems 50 Freeway Drive Cranston, RI 02920 (800) 341-8001	Mockingboard	Apple II family	$124.95 - $195.00
Tronix Publishing, Inc. 8295 South La Cienega Boulevard Inglewood, CA 90301 (213) 215-0529	Software Automatic Mouth	Apple II family, Commodore 64, Atari 800	$59.95 - $99.95

Votrax International, Inc. 1394 Rankin Drive Troy, MI 48083 (800) 521-1350	Personal Speech System	Various	$449.00
	Type-'N-Talk	Various	$299.00
	Votalker AP	Apple II, II+, IIe	$179.00
	Votalker C-64	Commodore 64	$99.95
	Votalker IB	IBM-PC	$249.00

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Training Programs in Technology in Special Education

This list contains information on both degree programs and workshop/training opportunities in the area of computer applications for disabled persons. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

ACTT Curriculum (Activating Children Through Technology)
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
309/298-1014
Project ACTT was a model demonstration project funded in 1983 to develop a microcomputer curriculum model for ages birth-6. The computer was added to the existing setting to foster a sense of autonomy and control over the environment through environmental control, used as a communication device, as a tool to draw or write, and as a teaching device. Adaptive peripherals allowed several handicapped children to be part of group of activities, and it was found that social interaction was equalized somewhat by computer use in small and large groups.

Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
Annual summer training program for special educators (introduction to computers and access devices, access devices for the Apple, access devices for the IBM) and blind teenagers (word processing).

Center for Learning & Technology
State University of New York at Buffalo
217 Baldy Hall
Buffalo, NY 14260
716/636-2110
Incorporates an interdisciplinary approach to integrating new technology into education. Goals include investigating fundamental questions, constructing prototypes and establishing relationships between industry and education.

Computer and Information Science Department
University of Massachusetts
A305 Graduate Research Center
Amherst, MA 01003
413/545-2744
Conducts research in design of single-switch scanning systems. Involved in the development and application of microcomputer programs for single-switch scanning. Evaluates software systems for the disabled.

Computer Resource Center
207 N. San Marco Avenue
St. Augustine, FL 32084
904/824-1654, ext. 581
Provides computer training and technical support to teachers of blind students and teachers of deaf students.

Department of Special Education
Charles A. MacArthur, Ph.D.
University of Maryland
College Park, MD 20742
301/454-6921
Computer technology in special education doctoral program.

Department of Special Education
Dr. Jean Fleischner
Dr. Robert Kretschmer
Box 223
Teachers College
Columbia University
New York, NY 10027
212/678-3880
In cooperation with the College's Department of Communication, Computing, and Technology in Education, an M.A. in Learning Disabilities or Ed.D. in Special Education, involving the application and development of technology.

Training Programs in Technology in Special Education

Department of Special Education
University of Arkansas-Little Rock
33rd and University
Little Rock, AR 72204
501/569-3335
Teaches future rehabilitation and special education professionals computer use for a wide range of purposes. Involved in a variety of research projects, particularly regarding the use of bar code technology.

Division of Rehabilitation Services (TN)
400 Deaderick Street
Suite 1100
Nashville, TN 37219
615/741-5644
The division is on-line with SpecialNet, RehabNet, DeafNet, SCAN, HEX, and ABLEDATA. It provides statewide staff training in the uses of microcomputers in rehabilitation for vocational rehabilitation counselors.

Education Division
Johns Hopkins University
100 Whitehead Hall
Baltimore, MD 21045
301/338-8273
Johns Hopkins offers both a Masters and a Doctoral program in Special Education Technology. The Education Division conducts research on integrating microcomputers into the special education classroom.

Gallaudet College
Mrs. Karen Simpson
Graduate Admissions Counselor
800 Florida Avenue NE
Washington, DC 20002
202/651-5070
800/672-7620, etc. 5070
Master of Science in Educational Technology: Special Education/Deafness.

Institute on Learning-Based Tools for Special Populations
University of Virginia
Charlottesville, VA 22903
804/924-7107
The Institute was held June 16 - July 5, 1986. Activities to enhance use of computer applications and technology in special education and clinical settings included use of learner-based software such as 1000, MPAL (a LOGO-like language which permits use of interactive videodisk, speech synthesizer and animation), PC Storyboard, and Listen to Learn (a talking word processor). Participants have the use of a computer and modem during the following year to exchange ideas and information.

Lesley College Graduate School
Rebecca Corwin, Assistant Professor
Computers and Education: Focus on Learners with Special Needs
Division of Education and Special Education
29 Everett Street
Cambridge, MA 02238
617/868-9600, ext. 371
Courses blend theoretical and field-based work; Master's Degree or Certificate of Advanced Graduate Study. Program includes introductory level programming languages, software evaluation, applications for special needs learners, and curriculum integration.

M.U.S.E. Trainer Project
(Microcomputer Use in Special Education)
27 Horrabin Hall
Western Illinois University
Macomb IL 61455
309/298-1072
M.U.S.E. is designed to give participants expertise to take advantage of technology and the ability to train others in the use of computers with disabled persons. The 7 graduate level courses include: Microcomputer Applications in Education; The Young Child--Learning with technology; Microcomputer Technology in the Elementary & Middle Schools; Modification of Microcomputers for Children or Special Needs; Rehabilitation Application of Microcomputers by the Handicapped; Seminar in Instructional Strategies; Practicum in Training Teachers to Use Microcomputers; Modification of Microcomputers for Children with Special Needs; Field Practicum in Technology Applications--Rehabilitation of Adults.

Micro Abilities
98 Main Street
Suite 232
Tiburon, CA 94920
415/435-2966
Offers training to education and rehabilitation professionals and provides appropriate computer-related devices to work directly with clients. Assists disabled people with independent living skills.

Microcomputer Resource Center
St. Martin's College
Lacey, WA 98503
206/438-4334
Provides the opportunity for educators and others to review and evaluate different computer systems, software and other instructional materials. A variety of classes are offered related to new uses of technology.

Training Programs in Technology in Special Education

Project M.U.S.E.
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
309/298-1634
309/298-1014
Project M.U.S.E. is a federally funded program with the primary purpose of training special education teachers to use computers in their classrooms. M.U.S.E. also identifies, evaluates and catalogs hardware and software that is designed for or can be modified for use with handicapped children. UNET is the user's network for information sharing, questions-and-answers, or problem solving. Workshops/presentations/training can be arranged. Possible topics include: Microcomputer Use and the Handicapped Child; Bits and Bytes for Babies; Introduction to Logo; Software Evaluation; Adapting Peripherals; Using Switches with Handicapped Children; Integrating the Microcomputer in the Classroom; Learning from Computer Games; Word Processing; Computers as a Third Wave Tool.

Rehabilitation Research and Training Center
University of Oregon
217 Clinical Services Building
Eugene, OR 97405
503/686-3585
Administers the "Community Living" Bulletin Board on SpecialNet. Develops interactive video for mildly handicapped individuals. Organizes the local Special Interest Group for Special Educators of ICCE.

Resource Center
Colorado Easter Seal Society, Inc.
609 W. Littleton Blvd.
Littleton, CO 80120
303/795-2016
Offers a variety of computer services for disabled people, including computer camps, workshops for disabled individuals, teachers and therapists, and information on computers and adaptive equipment.

Selective Systems for Living
2500 Riverside Avenue
Minneapolis, MN 55454
612/375-0153
Provides workshops on special input devices, environmental control devices and word processing. Assists clients in procuring systems. Working to link handicapped people to computers and employment.

SETUP
Special Education Technology Users Project
3430 Leahi Avenue
Honolulu, HI 96815
803/737-2377
SETUP is a federally funded project that trains special education teachers in the state of Hawaii to utilize the computer as a tool for computer managed instruction and computer assisted instruction.

Special Education Technology Resource
Emmanuel College Library
Third Floor
300 The Fenway
Boston, MA 02115
617/232-7913
The center maintains a software lending library, model adaptive hardware learning lab, and a variety of teacher training opportunities for special educators.

Easter Seal Children's Center
3161 Maple Drive, NE
Atlanta, GA 30305
404/261-6262
Offers advice and training for computer use with pre-school handicapped children. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

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Trace Quick Sheets
September, 1986

Selected Bibliography of Videotapes on Augmentative Communication and Computer Access for the Handicapped

Beverly Vicker
Indiana University
Developmental Training Center
2853 E. 10th Street
Bloomington, IN 47405

A special thanks must be extended to the people who provided information to help expedite this project. In particular, the contributions of Gregg Vanderheiden and Sara Brandenburg from the Trace Center, Judy Montgomery from Fountain Valley School District, and Sally Blackstone from ASHA must be acknowledged. Thanks must also be given to Henry Schroeder, the director of the Developmental Training Center, for his support for this project.

All of the tapes listed in this bibliography have not been personally reviewed, so the information in the abstract reflects, in many cases, a description of content by the producing organization. Much of the information was gathered through telephone contacts.

An apology is extended to any individual or organization whose video production(s) were overlooked and subsequently not listed. Please send me the appropriate information, and I'll include it at the time of a subsequent revision.

Symbol Boy
Blissymbolics Communication Institute
VHS; 5 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
This animated video demonstrates the usage of Blissymbols for preschoolers.

ID #VT-3
Prentke Romich Company
VHS; 55 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
The tape contains three segments with Barry Romich: 1) Considerations for selecting the most appropriate communication aid (discusses the multiple considerations influencing the final selection of the most appropriate communication aid for specific user[s]), 2) Light Talker and Touch Talker Communication Systems (provides an overview of these two systems and compares and contrast access means, software, and modular capabilities), and 3) Light Talker Selection Techniques (discusses standard selection techniques available in the Light Talker Communication Aid).

Access
Free loan; 10 minutes 45 seconds
Apple Computer, Inc.
Office of Special Education
20525 Mariani Avenue
Cupertino, CA 95014
408/996-1010
A demonstration of how computers are affecting the lives of disabled children and adults.

Selected Bibliography of Videotapes

PM Magazine's "Jim Brooks"
PM Magazine
1981
VHS, 3/4"; 5 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape segment shows an interview with Jim Brooks, who was a client at the Artificial Language Laboratory. The tape is available as a separate tape or on combination tape with "Finding a Voice" and "A Gift for Serena."

Minspeak
Council for Exceptional Children
1984
VHS; 17 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Bruce Baker, the linguist who developed Minspeak, is interviewed about the conceptual development of it. (On tape with VT-1 with the Lainey System and "A Special Magic."

Lee Kweller's Bar Mitzvah
CNN/TV and NBC
1985
VHS, 3/4"; 10 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape consists of several short clips of tapes that appeared on the above listed TV networks. The tapes include an interview with Lee and his mother, and shows him using his voice output communication device at his Bar Mitzvah.

Lainey
University of Tennessee
1985
VHS; 13 1/2 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
The tape shows an integrated system of technical aids in the areas of communication, computer access and mobility. The system is in use by Lainey Marty, a sixteen-year-old public school student. On tape VT-1 with "A Special Magic" and Bruce Baker on Minspeak. Tape also available in 3/4" or 1/2" tape from University of Tennessee Rehabilitation Department, 682 Court Avenue, Memphis TN 38163.

Eye Scan
Artificial Language Laboratory
1984
VHS, 3/4"; 30 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This video documents the evaluation of a 6-year-old using an eye scanning device.

Disabled Access to Technological Advances
Access to Independence, Inc.
1986
VHS, Beta; 23 minutes
Access to Independence, Inc.
1954 East Washington Avenue
Madison, WI 53704
608/251-7575
This videotape shows how computer technology can be used to enhance employment options in a variety of fields for persons with severe physical disabilities. Featured are three people using computer technology to help achieve their employment goals; a counselor using computer retraining drills and training in word processing; a planner using a lap computer with a speech synthesizer for communication and as a keyboard emulator to access the office computer; a law student describing how word processing and access to legal databases will make him more productive.

Bilingual Augmentative Communication by a Cerebral Palsied Adolescent
Brown Center for Alternative Communication and Environmental Control
1984
3/4"; 12 minutes.
Research Dissemination, Education and Training
Rehabilitation Institute of Chicago
345 E. Superior Street
Chicago, IL 60611
312/908/6184
Can also be available in 1/2" format with sufficient advance notice. This videotape focuses on a unique solution to a cerebral palsied adolescent's need and desire to communicate to his friends in Spanish as well as in English via his newly acquired electronic communication device with synthesized speech. It encompasses not only the evaluation and selection procedure for use and prescription of the communication system, but also the hierarchy involved in the training stages.

Selected Bibliography of Videotapes

Alternatives for the Speechless: Communication in a Multi-Handicapped Setting.
Mary Blake Huer and Janice Williams
3/4" or VHS 1/2"; 20 minutes. Send blank VHS and $10.00
Mary Blake Huer
University of Wisconsin-Whitewater
Department of Communication Disorders, Roseman 1020
Whitewater, WI 53190
414/472-1485
A videotape presented at the 1980 ASHA convention. Black-and-white taped segments of 6 individuals using Bliss symbols, signs, hand pointing, eyegaze, typing, and light beam pointer for communication.

A Special Magic
University of Tennessee Rehabilitation Engineering Center
1979
VHS; 20 minutes.
Prentke Romich Company
1022 Heyl Road.
Wooster, OH 44691
216/262-1984
or from the REC at Memphis, 682 Court, Memphis TN 38163, 901/528-6445.
This tape shows Lainey Martz from the videotape "Lainey" as a nine-year-old. The central theme of the tape involves an introduction to the field of rehabilitation engineering.

A Gift for Serena
WDIV TV, Detroit
1982
VHS, 3/4"; 20 minute
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape documents the search of a family for a communication enhancement system for 9-year-old Serena. John Eulenberg describes the various approaches taken at the Artificial Language Laboratory to help provide Serena with an augmentative means for communication. The tape is available separately or on a combination tape with "Finding a Voice," and PM Magazine's segment on Jim Brooks.

To Say I Am
KOCE TV; Judy Montgomery, Consultant
1980
VHS, Betamax, 3/4"; 30 minutes
Lawren Productions, Inc.
P.O. Box 666
Mendocino, CA 95460
This tape originally aired on PBS stations as a general public awareness tape. It includes a 20-page viewers guide. It presents introductory information about assessment and programming, and depicts some augmentative communication devices such as the ZYGO 100. The tape was made at Plavan School, Anaheim, California.

To Be Like Anyone Else
Crippled Children's Hospital and South Dakota Dept. of Education
1984
VHS, 3/4"; 29 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
This video demonstrates the usage of augmentative communication devices by multiply handicapped children in a variety of real-life situations.

Talk Is Not a Four-Letter Word
Sally Blackstone and Lucinda Cassatt-Jones
1986
VHS, 3/4"; 16 minute
Publications Department
American Speech-Language Hearing Association (ASHA)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
This video presents an overview of the area of augmentative communication and illustrates the diversity of individuals with severe expressive communication disorders, and the variety of techniques, strategies and aids used to circumvent the communication problem. An instructional guide is also included.

System for Augmentative Communication
Elaine Heaton and Barbara Strohback
VHS, Beta, 3/4"; 57 minutes
Purchase only:
VTI (Voice Tapes, Inc.)
The target audience for this tape, which includes a packet of discussion materials, includes pre-service students and professionals with minimal exposure to this area. The content includes a discussion of systems for augmentative written and spoken communication as well as a discussion of low technology systems and a philosophical overview of concepts involved in augmentative programming.

Personal Computing: Help for the Handicapped
Paul Hazan
1981
3/4", VHS, Betamax
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20810
301/953-7100
This captioned tape outlines the potentials of the microcomputer to aid blind, deaf, and physically disabled individuals in everyday situations. A brief review of microcomputer uses is presented.

Selected Bibliography of Videotapes

Personal Computing: Help for the Handicapped–The National Fair
Paul Hazan
1981
Betamax; 9:41 minutes
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20810
301/953-7100
This is a videotape of the 1981 Johns Hopkins University National Fair. The tape includes demonstration of an eyetracker communication system, a pocket telecommunicator for the deaf, LipReader/Trainer program package, a reading machine for the blind and dyslexic, a motor handicapped support system, programs for the learning disabled, Microbraille system (a software program).

Now I Can Speak
Blissymbolics Communication Institute
1981
VHS, Beta; 20 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
The videotape shows the versatility of communication and interaction styles of adults and children who use Bliss symbols. Fourteen different variations of use are shown, i.e., use of eye gaze, use with signing, etc.

Gerald Goldberg – Optical Headpointer
3/4", VHS, Betamax; 22 minutes
General Accounting Office
441 G Street NW
Room 5741
Washington, DC 20548
202/275-3597
This videotape illustrates the long range optical pointer developed at the Trace R&D Center in use by Gerry Goldberg, who has muscular dystrophy.

Hullaballo at High Rock
Crippled Children's School and Hospital
1986
VHS, 3/4"; 12 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
This videotape demonstrates the creative process of producing a play by communication handicapped children using augmentative devices. The tape shows the students and interviews with the various service staff who were involved in the process.

Mr. Symbol Man
Canadian Broadcasting System (Consultant, Shirley McNaughton)
1975
VHS, Beta; 60 minutes
National Film Board
1257 Avenue of the Americas
New York, NY 10020
Also from: Benchmark Films, Inc.
P.O. Box 315
Franklin Lakes, NJ 07417
The video describes the life and work of Charles K. Bliss. It also shows segments demonstrating Bliss symbol users during the early stages of the Ontario Crippled Children's Centre Project.

Dependence to Independence
Elaine Trefler, University of Tennessee Rehabilitation Engineering
1986
VHS, Beta, 3/4"; 15 minutes
Association for Advancement of Rehabilitation Technology (RESNA)
Suite 700
1101 Connecticut Avenue NW
Washington, DC 20036
202/857-1199
This videotape presents a broader view of rehabilitation technology as it applies to communication, etc. An overview of nation-wide research projects and service related issues are presented.

From Silence to Solist
1982
VHS, 3/4"; 27 minutes
Media Resource Center
Meyers Children's Rehabilitation Institute
444 S. 44th Street
Omaha, NE 68131
402/559-7467
This videotape follows the development of communication skills, both oral speech and augmentative skills, of a boy from age 4 to age 11. The tape demonstrates for parents, etc., that the use of augmentative devices, neither manual communication boards nor electronic devices, prevent the child from developing oral speech skills that are possible within the parameters of his neurological abilities.

Selected Bibliography of Videotapes

Finding a Voice
Nova Series
1982
3/4", VHS, Betamax; 60 minutes
Time-Life Videos
WGBH Educational Foundation
100 Eisenhower Drive
Paramis, NJ 07652
This tape shows several augmentative system users. The focus of this tape is on the development of one system for an individual, and a demonstration of it. A description of other systems is presented, as well as an interview with John Eulenberg.

Augmentative Communication Training: Action Modules
VHS, Beta, 3/4"; 20-30 minutes
1987
Dr. Albert Cook
California State University
Assistive Device Center, 6000 J Street
Sacramento, CA 95819
916/278-6422
This will be commercially available by the fall of 1987; the distributor has not yet been identified. A companion syllabus will accompany each of the six tapes in this series. The tapes will cover the topic of an overview of the field of augmentative and alternative communication, evaluation of physical, cognitive, and language abilities, decision-making, i.e., achieving an interface between needs and abilities, different types of options, and training clients to use a system.

Aaron
1984
AESIR Software Engineering
P.O. Box 5383
Pinedale, CA 93650
Jacqueline Able, director of Speech Pathology at St. Agnes Hospital, Fresno, California, discusses different needs for augmentative communication systems within the hospital for both short-term and long-term patients. Steve Able, a software engineer for Aesir software engineering, demonstrates the Aaron software system, which runs on an IBM/PC and presents a scanning keyboard screen. The user must be able to control a switch; the program "learns" from past experience (i.e., user's language style). The software package is $350.00

BreakThru
Blissymbolics Communication Institute
1981
VHS; 50 minute
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
This video documents the lives of three nonspeaking persons within the context of their families and/or residential/educational facility. Although all three people (a 9-year-old, an 18-year-old, and a 30-year-old) use Blissymbols this is incidental to the thrust of the videotape.

A Voice Within
Judy Montgomery and Sallie Dashiell
1987
VHS; 8 minutes
Lawren Productions
P.O. Box 666
Mendocino, CA 95460
This videotape shows a representative sample of the wide range of augmentative systems that can be used in public school programs to facilitate academic and interaction tasks for nonspeaking children age three to 22 years. The videotape will be available in February of 1987.

Computer Access for Disabled Individuals
Trace R&D Center
1986
VHS; 16 minutes; $15.00
Trace R&D Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
This open captioned videotape demonstrates current computer access techniques for physically disabled, blind, and visually impaired individuals. The impact of the ability to use computers and the importance of ensuring easy access to future computer systems is discussed. Prepared for the NIHR-OSERS Initiative on Computer Access.

Selected Bibliography of Videotapes

Computer Programmer Training for the Handicapped
TODDCOMP
1979, 1983
VHS, Betamax, 3/4"; 24 minutes
Dr. Wilson
TODDCOMP
University of Missouri Extension
Attitudinal barriers, however, need to be changed, according to the text, so that the disabled can have appropriate opportunities for education and employment." " "
314/449-3481
This tape is directed at business and industry employers, demonstrating the qualifications of the disabled in the area of computer programming. It analyzes several training programs from candidate selection to job placement, emphasizing the goal of independence for the disabled.

Feeling Free
$75.00/tape to purchase, $25.00 to rent
NCHRTM
Oklahoma State University
115 Old USDA Building
Stillwater, OK 74078
405/624-7650
6 1/2-videotapes to help others share the lives and feelings of handicapped children. Originally shown on public television.

Videotapes Available from IBM
IBM Special Education Programs
1300 Rockville Pike
Rockville Pike, MD 20852
301/897-3859
At My Fingertips (Telesensory Systems, Inc.); Equal to the Task (Telesensory Systems, Inc.); Here I Am: The International Games for the Disabled; IBM: Writing to Read; 1984 Easter Seal Computer Camp; Visualtek Product Demonstration Video

Autistic Education Program Videotape
1/2" VHS, $49.95
ASIEP Education Company
P.O. Box 12147
Portland, OR 97212
503/236-1317
A 25-minute color videotape showing how to teach nonverbal students using a communication focused language curriculum. Includes how to teach sign use, sign-speech procedures, how to teach sign and sound pairing, how to teach speech initiation, and how to use peer tutors.

Oh Say What They See: An Introduction to Indirect Language Stimulation Techniques
1/2" VHS, 1/2" Beta, 3/4"; $295.00
ASIEP Education Company
P.O. Box 12147
Portland, OR 97212
503/236-1317
Animation and adult/child interactions are used to explain and demonstrate indirect language stimulation techniques. Model training sessions show staff, parents, and adult caregivers how to incorporate techniques with daily routines. A viewer's guide reviews each language development technique demonstrated in the videotape.